

Crystal

CLP compliance guide
for the disinfectant and
detergent product portfolio



Contents

1	Introduction
2	New CLP Regulations
6	Examples of CLP Compliant Labels and MSDS
8	Crystel Gold Label and MSDS
10	Crystel Silver Label and MSDS
12	Crystel Platinum Label and MSDS
14	Crystel Diamond Label and MSDS
16	Crystel Cry-Spore Label and MSDS
18	Crystel Emerald Label and MSDS
20	Crystel Titanium Label and MSDS
22	Crystel Peridot Label and MSDS
24	Crystel Sapphire Label and MSDS
26	Crystel Tanzanite Label and MSDS
28	Crystel Opal Label and MSDS
30	Crystel Blue Wipes Label and MSDS
32	Crystel Ruby Label and MSDS
34	Crystel Amethyst Label and MSDS
36	Crystel Topaz Label and MSDS
38	Crystel Quartz Label and MSDS
40	Crystel Zircon Label and MSDS
42	Crystel Amber Label and MSDS
44	An Introduction to Crystel
46	Crystel Sterile Disinfectants at a Glance
48	Crystel Manual Disinfectants at a Glance
50	Crystel CIP Detergents at a Glance
52	Crystel Non-Sterile Disinfectants at a Glance
54	Notes Pages

The appearance of Crystel contamination control products is changing to comply with the new Classification, Labelling and Packaging (CLP) Regulation

CLP is the European interpretation of GHS (Global Harmonisation System) for Classification, which is a UN initiative introduced in 1992. Its aim is to drive greater consistency in chemical labelling across the world, with the goal of increasing user and environmental safety associated with use of chemicals.

The CLP Regulation replaces the Dangerous Substances Directive (DSD) and the Chemicals Hazard Information and Packaging for Supply (CHIP) Regulation.

CLP becomes mandatory from 1 June 2015. This means that the appearance of labels and Material Safety Data Sheets of Crystel products will change. All Crystel formulations will remain the same. Already manufactured and labelled products will continue to be supplied after 1 June 2015 until stocks last, resulting in a mix of CHIP and CLP labels during a short period. Please contact your local Crystel representative or Tristel Customer Services to request CLP Material Safety Data Sheets.

This Crystel CLP Compliance Guide is an introduction to the CLP Regulation. It visualises how CLP will affect the classification, labels and Material Safety Data Sheets of Crystel products.

For further detailed information regarding the CLP Regulation, please visit www.echa.europa.eu

New CLP Regulation pictograms, hazard and precautionary statements

There are seven CLP hazard pictograms which apply to Crystel products. Here, each pictogram is shown, along with corresponding hazard statements which explain the pictogram meaning, and associated precautionary statements which indicate how to handle the product safely.



CLP pictogram
Corrosion

Examples of associated hazard statements

- Causes severe skin burns and eye damage.

Examples of associated precautionary statements

- Wear protective gloves/protective clothing/eye protection/face protection.
- **IF ON SKIN (or hair):** Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Old CHIP pictograms



CLP pictogram
Exclamation Mark

Examples of associated hazard statements

- Causes serious eye irritation.
- Causes skin irritation.
- May cause drowsiness or dizziness.

Examples of associated precautionary statements

- Wear protective gloves/protective clothing/eye protection/face protection.
- **IF ON SKIN:** Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice.
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Old CHIP pictogram



CLP pictogram
Environment

Examples of associated hazard statements

- Very toxic to aquatic life.

Examples of associated precautionary statements

- Avoid release to the environment.

Old CHIP pictogram



CLP pictogram
Health Hazard

Examples of associated hazard statements

- May cause damage to organs through prolonged or repeated exposure (inhalation).
- Suspected of causing cancer.

Examples of associated precautionary statements

- Wear protective gloves/protective clothing/eye protection.

Old CHIP pictograms





CLP pictogram

Flame

Examples of associated hazard statements

- Extremely flammable liquid and vapour.

Examples of associated precautionary statements

- Keep away from heat/sparks/open flame/hot surfaces – No smoking.
- Take precautionary measures against static discharge.

Old CHIP pictograms



CLP pictogram

Flame Over Circle

Examples of associated hazard statements

- May intensify fire; oxidiser.

Examples of associated precautionary statements

- Wear protective gloves/protective clothing/eye protection/face protection.

Old CHIP pictogram



CLP pictogram

Skull And Crossbones

Examples of associated hazard statements

- Toxic if inhaled.

Examples of associated precautionary statements

- Do not breathe mist/spray.

Old CHIP pictograms



The following pages contain examples of Crystel CLP compliant labels and Material Safety Data Sheets for:



GOLD

IPA 70% v/v with
Water For Injection (WFI)
Disinfectant



SILVER

Denatured Ethanol
70% v/v with Water For
Injection (WFI) Disinfectant



PLATINUM

Quaternary Ammonium
Compound (QAC)/
Biguanide Disinfectant



DIAMOND

Amphoteric
Disinfectant



CRY-SPORE

Chlorine Dioxide
Sporicidal Disinfectant



EMERALD

Manual Neutral
Detergent



TITANIUM

Sterile Chlorine
Dioxide Spray



PERIDOT

Manual Detergent
Sanitiser



SAPPHIRE

Manual Alkaline
Detergent (High Foam)



TANZANITE

Manual Alkaline
Detergent (Medium Foam)



OPAL

Alkaline Floor
Detergent



BLUE WIPES

Impregnated
Sanitising Wipes



RUBY

CIP Acidic
Detergent



AMETHYST

CIP Alkaline Detergent
(Medium Duty)



TOPAZ

CIP Alkaline Detergent
(Heavy Duty)



QUARTZ

Peracetic Acid
Disinfectant



ZIRCON

Chlorine
Disinfectant



AMBER

Chlorinated Alkaline
Sanitiser

Crystel GOLD

IPA 70% v/v with WFI Disinfectant label and MSDS



New CLP precautionary statements

New CLP signal word 'Danger' and hazard statements

Recognisable Crystel branding

New CLP hazard pictograms

Crystel GOLD (Sterile)

IPA 70% with WFI

1 litre
STERILER CRY101

Date opened: _____
Discard by: _____

EN Gevaar
• Irritatie van de ogen en de huid.
• Kan ernstige oogirritatie veroorzaken.
• Kan ernstige huidirritatie veroorzaken.
• Kan ernstige ademhalingsproblemen veroorzaken.
• Kan ernstige schade aan de luchtwegen veroorzaken.
• Kan ernstige schade aan de huid veroorzaken.
• Kan ernstige schade aan de ogen veroorzaken.
• Kan ernstige schade aan de huid veroorzaken.
• Kan ernstige schade aan de ogen veroorzaken.

DE Gefahr
• Flüssigkeit und Dampf extrem reizend.
• Kann schwere Augenirritation verursachen.
• Kann schwere Hautirritation verursachen.
• Kann schwere Atemwegsreizung verursachen.
• Kann schwere Schädigung der Atemwege verursachen.
• Kann schwere Hautschädigung verursachen.
• Kann schwere Augenirritation verursachen.
• Kann schwere Augenirritation verursachen.

NL Gevaarlijk
• Deze vloeistof is uitermate irriterend en kan ernstige oogirritatie veroorzaken.
• Deze vloeistof is uitermate irriterend en kan ernstige huidirritatie veroorzaken.
• Deze vloeistof is uitermate irriterend en kan ernstige ademhalingsproblemen veroorzaken.
• Deze vloeistof is uitermate irriterend en kan ernstige schade aan de luchtwegen veroorzaken.
• Deze vloeistof is uitermate irriterend en kan ernstige schade aan de huid veroorzaken.
• Deze vloeistof is uitermate irriterend en kan ernstige schade aan de ogen veroorzaken.
• Deze vloeistof is uitermate irriterend en kan ernstige schade aan de huid veroorzaken.
• Deze vloeistof is uitermate irriterend en kan ernstige schade aan de ogen veroorzaken.

FR Danger
• Liquide et vapeurs extrêmement irritantes.
• Peut causer une sévère irritation des yeux.
• Peut provoquer une sévère irritation de la peau.
• Peut provoquer une sévère irritation des voies respiratoires.
• Peut causer de graves problèmes respiratoires.
• Peut causer de graves dommages à la peau.
• Peut causer de graves dommages aux yeux.
• Peut causer de graves dommages à la peau.
• Peut causer de graves dommages aux yeux.

IT Pericolo
• Liquido e vapori altamente irritanti.
• Può causare irritazione oculare.
• Può provocare lesioni cutanee o ustioni.
• Può provocare gravi problemi respiratori.
• Può causare gravi danni alle vie respiratorie.
• Può causare gravi danni alla pelle.
• Può causare gravi danni agli occhi.
• Può causare gravi danni alla pelle.
• Può causare gravi danni agli occhi.

ES Peligro
• Líquido y vapores muy irritantes.
• Puede causar irritación ocular.
• Puede provocar o quemaduras o irritación.
• Puede provocar graves problemas respiratorios.
• Puede causar graves daños a las vías respiratorias.
• Puede causar graves daños a la piel.
• Puede causar graves daños a los ojos.
• Puede causar graves daños a la piel.
• Puede causar graves daños a los ojos.

Crystel GOLD Sterile is available in a 1L RTU trigger spray, 5L RTU solution, session pack wipes and tub wipes. Crystel GOLD Non-sterile is available in tub wipes.

New CLP 'hazards identification' section

New CLP hazard statements

New CLP hazard pictograms

New CLP precautionary statements

SAFETY DATA SHEET
GOLD (STERILE) Page: 2

Precautionary statements: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280: Wear protective gloves/protective clothing/eye protection.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

PBT: This product is not identified as a PBT/PvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	50-70%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Flush the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

[Cont...]

Crystel SILVER

Denatured Ethanol 70% v/v with WFI Disinfectant label and MSDS



- New CLP precautionary statements
- New CLP signal word 'Danger' and hazard statement
- New CLP hazard pictogram
- Recognisable Crystel branding

Crystel SILVER (Sterile)
Denatured Ethanol 70% with WFI

Danger

Extremely flammable liquid and vapour.

Hazard statement: H224: Extremely flammable liquid and vapour.

Signal word: Danger

Hazard pictogram: Flame

1 litre CRY104

Crystel SILVER is available in a 1L RTU trigger spray, 5L RTU solution, RTU session pack wipes and tub wipes.

Tristel SAFETY DATA SHEET SILVER (STERILE)

Page: 1
Compilation date: 06/11/12
Revision date: 30/04/2015
Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: SILVER (STERILE)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Disinfectant solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7N
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Flam. Liq. 1: H224

Most important adverse effects: Extremely flammable liquid and vapour.

2.2. Label elements
Label elements under CLP:
Hazard statements: H224: Extremely flammable liquid and vapour.
Signal words: Danger
Hazard pictograms: GHS02: Flame

Crystal PLATINUM QAC/Biguanide Disinfectant label and MSDS



Recognisable
Crystal branding

New CLP
precautionary
statements

New CLP signal
word 'Danger' and
hazard statements

New CLP
hazard
pictograms

**Crystal
PLATINUM**

Quaternary Ammonium Compound/Biguanide Disinfectant

A concentrated non-aqueous liquid disinfectant containing surface active agents and a blend of quaternary ammonium compounds (QAC) and biguanides for the disinfection of walls, floors, drains, pipes, contact surfaces, tiling and manufacturing equipment.

EN Gebruiksaanwijzing
Dit is een geconcentreerde vloeistof. Het is bestemd voor gebruik op verschillende oppervlakken. Het is niet bestemd voor gebruik op de huid en op het gezicht. Het is niet bestemd voor gebruik op voedingsmiddelen en op drinkwater.

DE Gebrauchsanweisung
Dies ist ein konzentriertes flüssiges Desinfektionsmittel. Es ist für die Desinfektion von Oberflächen, Böden, Abflüssen, Rohren, Kontaktflächen, Fliesen und in der Industrie vorgesehen. Es ist nicht für den Einsatz auf der Haut und dem Gesicht vorgesehen. Es ist nicht für den Einsatz auf Nahrungsmitteln und Trinkwasser vorgesehen.

FR Mode d'emploi
C'est un produit désinfectant concentré. Il est destiné à être utilisé sur divers supports. Il n'est pas destiné à être utilisé sur la peau et le visage. Il n'est pas destiné à être utilisé sur les aliments et l'eau potable.

ES Instrucciones de uso
Este es un producto desinfectante concentrado. Está destinado para su uso en diferentes superficies. No está destinado para su uso en la piel y el rostro. No está destinado para su uso en alimentos y agua potable.

IT Istruzioni d'uso
Questo è un prodotto disinfettante concentrato. È destinato all'uso su diverse superfici. Non è destinato all'uso su pelle e viso. Non è destinato all'uso su alimenti e acqua potabile.

PT Instruções de utilização
Este é um produto desinfetante concentrado. É destinado para utilização em diversas superfícies. Não é destinado para utilização na pele e no rosto. Não é destinado para utilização em alimentos e água potável.

PL Instrukcja użytkowania
To jest skoncentrowany płyn dezynfekujący. Przeznaczony jest do użycia na różnych powierzchniach. Nie należy używać go na skórze i twarzy. Nie należy używać go do dezynfekcji żywności i wody pitnej.

UK Інструкція застосування
Це концентрований розчин дезинфекційного засобу. Призначений для використання на різних поверхнях. Не слід використовувати його на шкірі та обличчі. Не слід використовувати його для дезинфекції їжі та питної води.

EN Danger
Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure (inhalation). Suspected of causing cancer. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

DE Gefahr
Schädlich bei Verschlucken. Verursacht schwere Verätzungen der Haut und schwere Augenschäden. Kann allergische Reaktionen hervorrufen. Kann die Organe schädigen bei längerer oder wiederholter Exposition. Kann vermutlich Krebs erzeugen. Sehr giftig für Wasserorganismen. Schädlich für Meerestiere, auch bei langfristiger Wirkung.

FR Danger
Très toxique. Irritant. Provoque de graves brûlures cutanées et des lésions graves des yeux. Peut provoquer une réaction allergique de la peau. Peut nuire aux organes à l'usage prolongé ou répété (inhalation). Suspecté de provoquer le cancer. Très toxique pour les organismes aquatiques. Dangereux pour les organismes aquatiques à long terme.

ES Peligro
Muy tóxico. Irritante. Provoca graves quemaduras cutáneas y lesiones graves en los ojos. Puede provocar una reacción alérgica de la piel. Puede dañar los órganos por exposición prolongada o repetida (inhalación). Sospechada de causar cáncer. Muy tóxico para los organismos acuáticos. Dañoso para los organismos acuáticos a largo plazo.

PT Perigo
Muito tóxico. Irritante. Provoca graves queimaduras cutâneas e lesões graves nos olhos. Pode provocar uma reação alérgica da pele. Pode danificar os órgãos por exposição prolongada ou repetida (inalação). Suspeita-se de causar cancro. Muito tóxico para organismos aquáticos. Perigoso para organismos aquáticos a longo prazo.

PL Niebezpieczeństwo
Szkodliwy przy połykaniu. Powoduje poważne oparzenia skóry oraz uszkodzenia oczu. Może powodować reakcję alergiczną skóry. Może szkodzić organom przy długotrwałej lub powtarzanej ekspozycji (inhalacja). Prawdopodobnie powoduje nowotwory. Bardzo toksyczny dla organizmów wodnych. Szkodliwy dla organizmów wodnych o długotrwałym skutku.

UK Небезпека
Шкодливо при проковтуванні. Викликає серйозні опіки шкіри та очей. Може викликати алергічну реакцію шкіри. Може пошкодити органи при тривалій або повторній експозиції (інгаляція). Підозрюють, що викликає рак. Дуже токсично для водних організмів. Шкодливо для водних організмів з тривалими наслідками.

EN Precautionary statements
P260: Do not breathe mist/spray. P280: Wear protective gloves/protective clothing/eye protection. P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313: IF exposed or concerned: Get medical advice.

DE Vorsichtsprüche
P260: Atmen Sie nicht ein/aus der Handlungssprache: Schützen Sie sich vor Sprühen. P280: Schutzhandschuhe/Schutzkleidung/Schutzbrille tragen. P303+P361+P353: BEI HAUTBERÜHRUNG (oder Haarberührung): Sofort alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/Duschen. BEI EINATMEN: An die frische Luft bringen und in dieser Position halten. Falls erforderlich, weiterentsprechende Erste Hilfe leisten. P304+P340: BEI EINATMEN: Betroffene zum frischen Luft bringen und in dieser Position halten. Falls erforderlich, weiterentsprechende Erste Hilfe leisten. P305+P351+P338: BEI AUGENBERÜHRUNG: Vorsichtig mit Wasser für mehrere Minuten spülen. Kontaktlinsen entfernen, wenn leicht zu entfernen sind. Spülen weiter. P308+P313: Bei Exposition oder Unfall: Ärztliche Hilfe herbeiführen.

FR Précautions d'emploi
P260: Ne pas respirer de brume/aérosol. P280: Porter des gants/tenue protectrice/équipement de protection des yeux. P303+P361+P353: EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Retirer immédiatement toutes les vêtements contaminés. Rincer la peau avec de l'eau/douche. P304+P340: EN CAS D'INHALATION: Transporter la victime dans l'air frais et la maintenir au repos dans une position confortable pour la respiration. P305+P351+P338: EN CAS DE CONTACT AVEC LES YEUX: Rincer avec précaution avec de l'eau pendant plusieurs minutes. Retirer les lentilles de contact, si elles sont présentes et faciles à retirer. Continuer le rinçage. P308+P313: En cas d'exposition ou de problème: Consulter un médecin.

ES Frases de precauciones
P260: No respirar niebla/neblina. P280: Usar guantes/protección de ropa/protección para los ojos. P303+P361+P353: EN CASO DE CONTACTO CON LA PIEL (o el pelo): Retirar inmediatamente toda la ropa contaminada. Enjuagar la piel con agua/ducha. P304+P340: EN CASO DE INHALACIÓN: Llevar al afectado al aire fresco y mantenerlo en una posición cómoda para la respiración. P305+P351+P338: EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con cuidado con agua durante varios minutos. Retirar las lentes de contacto, si las tiene y es fácil de hacer. Seguir enjuagando. P308+P313: En caso de exposición o preocupado: Buscar consejo médico.

PT Frases de precaução
P260: Não respire neblina/nevoeiro. P280: Usar luvas/roupa protetora/protetores para os olhos. P303+P361+P353: EM CASO DE CONTATO COM A PELE (ou cabelo): Remover imediatamente todas as roupas contaminadas. Lavar a pele com água/chuveiro. P304+P340: EM CASO DE INALAÇÃO: Transportar a vítima para o ar fresco e manter em uma posição confortável para respirar. P305+P351+P338: EM CASO DE CONTATO COM OS OLHOS: Enxaguar cuidadosamente com água por vários minutos. Remover as lentes de contato, se presentes e fáceis de remover. Continuar enxaguando. P308+P313: Em caso de exposição ou preocupação: Buscar conselho médico.

PL Uwagi dotyczące ostrożności
P260: Nie wdychać pyłu/aerosolu. P280: Nosić rękawice/ochronny ubiór/ochronę oczu. P303+P361+P353: W przypadku kontaktu z skórą (lub włosami): Natychmiast zdjąć wszystkie zanieczyszczone ubrania. Spłukać skórę wodą/prysznicem. P304+P340: W przypadku wdychania: Przenieść ofiarę do świeżego powietrza i utrzymać w wygodnej pozycji do oddychania. P305+P351+P338: W przypadku kontaktu z oczami: Ostrożnie przepłukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeśli są łatwo dostępne. Kontynuować przepłukiwanie. P308+P313: W przypadku wystąpienia objawów lub wątpliwości: Szukać porady lekarskiej.

UK Застереження щодо безпеки
P260: Не вдихати пилю/аерозоль. P280: Використовувати рукавиці/захисний одяг/захист очей. P303+P361+P353: У разі контакту зі шкірою (або волоссям): Немедально зняти всі забруднені речі. Промити шкіру водою/душом. P304+P340: У разі вдихання: Перенести потерпілого на свіже повітря та утримувати його в зручній для дихання позі. P305+P351+P338: У разі контакту з очима: Обережно промити водою протягом кількох хвилин. Вийняти контактні лінзи, якщо це легко зробити. Продовжити промивання. P308+P313: У разі виникнення симптомів або сумнівів: Шукати медичної допомоги.

EN Hazard pictograms
GHS05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environment

DE Gefahrpiktogramme
GHS05: Korrosion
GHS07: Ausrufezeichen
GHS08: Gesundheitsschädlichkeit
GHS09: Umwelt

FR Pictogrammes de danger
GHS05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environment

ES Pictogramas de peligro
GHS05: Corrosión
GHS07: Exclamación
GHS08: Peligro para la salud
GHS09: Medio ambiente

PT Pictogramas de perigo
GHS05: Corrosão
GHS07: Exclamação
GHS08: Perigo para a saúde
GHS09: Meio ambiente

PL Piktogramy niebezpieczeństwa
GHS05: Korozja
GHS07: Wykrzyknik
GHS08: Zagrożenie dla zdrowia
GHS09: Środowisko

UK Піктограми небезпеки
GHS05: Корозія
GHS07: Викрикнуток
GHS08: Загроза для здоров'я
GHS09: Середовище

EN Other hazards
PBT: This product is not identified as a PBT/PvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

C9-C11 ALCOHOL ETHOXYLATE (6)

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	68499-46-3	-	Acute Tox. 4; H302; Eye Dam. 1; H316	1-10%

PROPAN-2-OL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-661-7	67-63-0	-	Flam. Liq. 2; H225; Eye Irrit. 2; H319; STOT SE 3; H336	1-10%

**CRY2o6
20 litres**

CRY/PLA/EZ Issue 3

Crystal PLATINUM Sterile is available in 100ml concentrate, 900ml RTU trigger spray, 5L RTU solution and session pack wipes. Crystal PLATINUM Non-sterile is available in 5L, 20L, 200L and 1000L concentrate solutions.

SAFETY DATA SHEET
PLATINUM
Page: 2

H317: May cause an allergic skin reaction.
H373: May cause damage to organs through prolonged or repeated exposure (inhalation).
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environment

Precautionary statements: P260: Do not breathe mist/spray.
P280: Wear protective gloves/protective clothing/eye protection.
P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice.

2.3. Other hazards

PBT: This product is not identified as a PBT/PvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

C9-C11 ALCOHOL ETHOXYLATE (6)

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	68499-46-3	-	Acute Tox. 4; H302; Eye Dam. 1; H316	1-10%

PROPAN-2-OL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-661-7	67-63-0	-	Flam. Liq. 2; H225; Eye Irrit. 2; H319; STOT SE 3; H336	1-10%

[cont...]

Crystel DIAMOND Amphoteric Disinfectant label and MSDS



Recognisable
Crystel branding

New CLP
precautionary
statements

New CLP signal
word 'Danger' and
hazard statements

New CLP
hazard
pictograms

**Crystel
DIAMOND**

EN Amphoteric Disinfectant
A concentrated industrial liquid disinfectant containing surface active agents and an amphoteric compound for the disinfection of walls, floors, drains, product contact surfaces, filling and manufacturing equipment.

DE Desinfektionsmittel auf Basis amphoterer Substanzen
Ein konzentriertes, flüssiges Keimabtödtungsmittel, das Tenside sowie eine amphoterer Verbindung zur Flächen- und Raumdesinfektion enthält.

NL Amfoeter Ontsmettingsmiddel
Een geconcentreerd vloeibaar, milieuvriendelijk, water oplosbaar geconcentreerd ontsmettingsmiddel voor de desinfectie van muren, vloeren, afvoer-, product contact oppervlakken, af- en productieapparatuur.

Danger
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Toxic if inhaled. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure (inhalation).
Toxic to aquatic life with long lasting effects.

Gefahr
Verursacht Hautirritation. Kann allergische Reaktionen hervorrufen. Verursacht schwere Augenirritation. Giftig bei Einatmung. Verdächtig, Krebs zu verursachen. Kann durch wiederholte oder verlängerte Exposition (Einatmung) Organe schädigen. Giftig für Wasserorganismen, mit langfristiger Wirkung.

Gevaarlijk
Verursakt huidirritatie. Kan een allergische huidreactie veroorzaken. Vermoedelijk ernstig oogletsel. Giftig bij inademing. Verdacht op het veroorzaken van kanker. Kan schade aan organen veroorzaken bij langdurige of herhaalde blootstelling. Giftig voor in het water levende organismen, met langdurige gevolgen.

Precautionary statements: P260: Do not breathe mist/spray. P280: Wear protective gloves/protective clothing/eye protection. P302+352: IF ON SKIN: Wash with plenty of soap and water. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+313: IF exposed or concerned: Get medical advice.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion, GHS06: Skull and crossbones, GHS08: Health hazard, GHS09: Environmental

Precautionary statements: P260: Do not breathe mist/spray. P280: Wear protective gloves/protective clothing/eye protection. P302+352: IF ON SKIN: Wash with plenty of soap and water. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+313: IF exposed or concerned: Get medical advice.

**CRY202
20 litres**

Manufactured by Great Britain by
The Crystel Group
Unit 10, The Crystel Park, Southwell,
Leicestershire, NN6 7PE UK
T +44 (0)1530 711100
F +44 (0)1530 711113
E info@crystel.com
W www.crystel.com

CRY202/12/1 issue 3
Notification Number Germany: N 34383

Crystel **DIAMOND** Sterile is available in 100ml concentrate, 900ml RTU trigger spray, 5L RTU solution and session pack wipes. Crystel **DIAMOND** is available in 5L, 20L, 200L and 1000L concentrate solutions.

**SAFETY DATA SHEET
DIAMOND**

Page: 2

H318: Causes serious eye damage.
H331: Toxic if inhaled.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure (inhalation).
H411: Toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion, GHS06: Skull and crossbones, GHS08: Health hazard, GHS09: Environmental

Precautionary statements: P260: Do not breathe mist/spray. P280: Wear protective gloves/protective clothing/eye protection. P302+352: IF ON SKIN: Wash with plenty of soap and water. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+313: IF exposed or concerned: Get medical advice.

2.3. Other hazards
PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	27083-27-8	-	Acute Tox. 4: H302; Acute Tox. 2: H330; Skin Sens. 1B: H317; Eye Dam. 1: H318; STOT RE 1: H372; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Carc. 2: H351	1-10%

[cont...]

Crystel CRY-SPORE Chlorine Dioxide Sporicidal Disinfectant label and MSDS



Recognisable
Crystel branding

New CLP
precautionary
statements

New CLP signal
word 'Danger' and
hazard statement

New CLP
hazard
pictogram

<p>EN Danger Causes skin irritation. Precautions Wear protective gloves/protective clothing/eye protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice.</p>	<p>DE Gefahr Verursacht Hautreizungen. Vorsichtsmaßnahmen Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen. BEI BERÜHRUNG MIT DER HAUT: Mit viel Wasser und Seife waschen. Bei Hautreizung: Ärztlichen Rat einholen.</p>	<p>NL Gevaarlijk Veroorzaakt huidirritatie. Voorzorgsmaatregelen Beschermende handschoenen/beschermende kleding/oogbescherming/gelaatsbescherming dragen. BIJ CONTACT MET DE HUID: Met veel water en zeep wassen. Bij huidirritatie: een arts raadplegen.</p>
<p>FR Danger Provoque une irritation cutanée. Précautions Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage. EN CAS DE CONTACT AVEC LA PEAU: Laver abondamment à l'eau et au savon. En cas d'irritation cutanée: consulter un médecin.</p>	<p>ES Peligro Provoca irritación cutánea. Precauciones Llevar guantes/prendas/gafas/máscara de protección. EN CASO DE CONTACTO CON LA PIEL: Lavar con agua y jabón abundantemente. En caso de irritación cutánea: Consultar a un médico.</p>	<p>IT Pericolo Provoca irritazione cutanea. Precauzioni Indossare guanti/indumenti protettivi/Proteggere gli occhi/il viso. IN CASO DI CONTATTO CON LA PELLE: Lavare abbondantemente con acqua e sapone. In caso di irritazione della pelle: consultare un medico.</p>

CRY-SPORE/10/Issue 6

Crystel **CRY-SPORE** is available in 100ml Activator and Base concentrate solutions, along with 100ml Activator and 4.9L Base ready-to-use solutions.

SAFETY DATA SHEET
CRY-SPORE ACTIVATOR SOLUTION

Hazard pictograms: GHS07: Exclamation mark

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313: If skin irritation occurs: Get medical advice.
P337+313: If eye irritation persists: Get medical advice.

2.3. Other hazards
PBT: This product is not identified as a PBT/PvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-836-6	7758-19-2	-	Eye Dam. 1: H318; Ox. Sol. 2: H272; Acute Tox. 4: H302; Acute Tox. 3: H311; Skin Corr. 1B: H314; Aquatic Acute 1: H400; STOT RE 2: H373; -: EUH032	1-10%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. If skin irritation or rash occurs: Get medical advice.
Eye contact: Rinse eyes with water and seek medical advice if irritation persists.
Ingestion: Wash out mouth with water.
Inhalation: Move to fresh air in case of accidental inhalation of vapours.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

[cont...]

New CLP 'hazards
identification' section

New CLP
hazard
statement

New CLP
hazard
pictogram

New CLP
precautionary
statements

Crystel EMERALD Manual Neutral Detergent label and MSDS



- New CLP precautionary statements
- New CLP signal word 'Danger' and hazard statement
- Recognisable Crystel branding

New CLP hazard pictogram

Crystel EMERALD Sterile is available in 50ml concentrate solutions. Crystel EMERALD Non-sterile is available in 5L, 20L, 200L and 1000L concentrate solutions.

Tristel

SAFETY / DATA SHEET
EMERALD

Page: 1
Compilation date: 19/01/2011
Revision date: 30/04/2015
Revision No: 7

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: EMERALD

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Detergent Solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynn Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7N
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Eye Dam. 1; H318

Most important adverse effects: Causes serious eye damage.

2.2. Label elements
Label elements under CLP:
Hazard statements: H318: Causes serious eye damage.
Signal words: Danger
Hazard pictograms: GHS05: Corrosion

Crystel TITANIUM Sterile Chlorine Dioxide Spray label and MSDS



Recognisable
Crystel branding

New CLP signal
word 'Danger'
and hazard
statement

New CLP
precautionary
statements

New CLP
hazard
pictogram

Crystel

TITANIUM

Sterile Chlorine Dioxide Spray

A sterile ready to use two-part activated Chlorine Dioxide, sporicidal, liquid disinfectant for environmental and surface disinfection.

Directions for use

- This solution is ready to use.
- For use on surfaces and equipment.
- For professional use only.
- Refer to product technical file prior to use.

Storage information

- Store in original container in a cool, well ventilated area.
- Keep container tightly closed.
- Dispose of container and contents in accordance with local policy and national regulations.

Manufactured in Great Britain by
Tristel Solutions Limited
Lynx Business Park, Snailwell,
Cambridgeshire, CB8 7NY, UK
T +44 (0)1638 721500
F +44 (0)1638 721911
E mail@tristel.com
W www.tristel.com
CRY/TTM/010/Issue 3

Danger

- Causes skin irritation.

Precautions

- Wear protective gloves/protective clothing/eye protection.
- **IF ON SKIN:** Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice.

Contents

- 300ml Activator (1g/kg sodium chlorite).
- 300ml Base (50g/kg citric acid).
- Titanium generates chlorine dioxide (ClO₂) upon use.

For batch numbers and expiry dates see base of bottle.

Microbiological testing	Contact testing time
EN13704 – Sporicidal	60 seconds
EN1650 – Fungicidal	60 seconds
EN13697 – Bactericidal	60 seconds
EN1276 – Bactericidal	60 seconds

Crystel **TITANIUM** is available as a two-part trigger spray (300ml Activator, 300ml Base).

New CLP 'hazards
identification' section

New CLP
classification

New CLP
hazard
statement

New CLP
signal word

New CLP
hazard
pictogram

Tristel

SAFETY DATA SHEET
TITANIUM BASE SOLUTION

Page: 1
Compilation date: 21/01/2014
Revision date: 30/04/2015
Revision No: 3

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: TITANIUM BASE SOLUTION

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: To be used with Titanium Activator solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet

Company name: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7NY
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 1638 721 500
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315
Most important adverse effects: Causes skin irritation.

2.2. Label elements

Label elements under CLP:

Hazard statements: H315: Causes skin irritation.
Signal words: Warning
Hazard pictograms: GHS07: Exclamation mark

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection.

[cont...]

Crystel PERIDOT

Manual Detergent Sanitiser label and MSDS



- New CLP precautionary statements
- New CLP signal word 'Danger' and hazard statements
- Recognisable Crystel branding

Crystel PERIDOT

EN Manual Detergent Sanitiser
A single stage quaternary ammonium compound liquid sanitizer for manual cleaning and disinfection of surfaces.

FR Détergent assainissant manuel
Stérifiant liquide à composé à base d'ammoniumquaternaire à usage unique pour le nettoyage et la désinfection manuels des surfaces.

DE Reinigungs- und Desinfektionsmittel zur manuellen Anwendung
Ein-Ringer-Desinfektionsmittel mit quartären Ammoniumverbindungen für die manuelle Reinigung und Desinfektion von Oberflächen.

IT Detergente igienizzante manuale
Sprengente liquido monofase contenente un composto di ammonio quaternario da utilizzare per la pulizia manuale e la disinfezione delle superfici.

NL Reinigingsmiddel voor handmatig gebruik
Een-Ringer-Desinfektionsmiddel op basis van kwaternaire ammoniumverbindingen voor het handmatig reinigen en desinfecteren van oppervlakten.

ES Detergente - sanificante para uso manual
Detergente-sancitante líquido en una sola fase, con un compuesto de amonio cuaternario, para utilizar manualmente para la limpieza y desinfección de superficies.

NL Gevaarlijk
Vernietigend voor het milieu. Brandgevaarlijk en irriterend. Zwaar giftig voor de watervormende organismen.

ES Peligro
Peligro grave para el medio ambiente. Muy tóxico para los organismos acuáticos.

EN Danger
Causes severe skin burns and eye damage. Very toxic to aquatic life.

FR Danger
Provoque des brûlures de la peau et des lésions oculaires graves. Très toxique pour les organismes aquatiques.

DE Gefahr
Verursacht schwere Verätzungen der Haut und schwere Augenschäden. Sehr giftig für Wassorganismen.

IT Pericolo
Provoca gravi ustioni cutanee e gravi lesioni oculari. Molto tossico per gli organismi acquatici.

NL Gevaarlijk
Vernietigend voor het milieu. Brandgevaarlijk en irriterend. Zwaar giftig voor de watervormende organismen.

ES Peligro
Peligro grave para el medio ambiente. Muy tóxico para los organismos acuáticos.

CRY312 20 litres

Manufactured in Great Britain by
Tristel Solutions Limited
Lynx Business Park, Scaleswell,
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E mail@tristel.com
W www.tristel.com

CRY3120-A/Issue 6

New CLP hazard pictograms

Crystel PERIDOT is available in 5L and 20L concentrate solutions.

Tristel SAFETY DATA SHEET PERIDOT

Page: 1
Compilation date: 13/01/2011
Revision date: 30/04/2015
Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: PERIDOT

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Detergent Solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Forcham Road
Newmarket
Cambridgeshire
CB8 7NY
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Aquatic Acute 1: H400; Skin Corr. 1B: H314

Most important adverse effects: Causes severe skin burns and eye damage. Very toxic to aquatic life.

2.2. Label elements

Label elements under CLP:
Hazard statements: H314: Causes severe skin burns and eye damage. H400: Very toxic to aquatic life.
Signal words: Danger
Hazard pictograms: GHS05: Corrosion GHS09: Environmental

[cont...]

New CLP 'hazards identification' section

New CLP classification

New CLP hazard statements

New CLP signal word

New CLP hazard pictograms

Crystel SAPHIRE Manual Alkaline Detergent (High Foam) label and MSDS



- New CLP precautionary statements
- New CLP signal word 'Danger' and hazard statement
- Recognisable Crystel branding

EN Manual Alkaline Detergent
A heavy duty, high foam, liquid detergent for removal of organic soils including fat and oils.

FR Détergent alcalin manuel
Détergent liquide ultra-écumeux, à mousser moyennement pour éliminer les saletés organiques dont la graisse et l'huile.

DE Basisches Reinigungsmittel zur manuellen Reinigung
Ein flüssiges Reinigungsmittel für starke Reinigungsarbeiten mit hoher Schaumbildung zur Entfernung von organischen Schmutz (z.B. Fett und Öl).

NL Alkalisch reinigingsmiddel voor handmatig gebruik
Een heavy duty, hoogschuimend, vloeibaar reinigingsmiddel voor het verwijderen van organisch vuil, zoals vetten en oliën.

EN **DANGER**
Causes severe skin burns and eye damage.

FR **DANGER**
Provoque des brûlures de la peau et des lésions oculaires graves.

DE **Gefahr**
Verursacht schwere Verätzungen der Haut und schwere Augenschäden.

NL **Gevaarlijk**
Verursakt ernstige brandwonden en oogletsel.

EN **H314**: Causes severe skin burns and eye damage.

FR **H314**: Provoque des brûlures de la peau et des lésions oculaires graves.

DE **H314**: Verursacht schwere Verätzungen der Haut und schwere Augenschäden.

NL **H314**: Verursakt ernstige brandwonden en oogletsel.

EN **GHS05**: Corrosion

FR **GHS05**: Corrosion

DE **GHS05**: Corrosion

NL **GHS05**: Corrosion

CRY301
20 litres

Manufactured in Great Britain by
Tristel Solutions Limited
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E mail@tristel.com
W www.tristel.com
CRY301/01/Issue 5

Crystel SAPHIRE is available in 5L, 20L, 200L and 1000L concentrate solutions.

Tristel
SAFETY DATA SHEET
SAPHIRE

Page: 1
Compilation date: 19/01/2011
Revision date: 03/04/2015
Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: SAPHIRE

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Detergent Solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Forcham Road
Newmarket
Cambridgeshire
CB8 7N*
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Skin Corr. 1C; H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements

Label elements under CLP:
Hazard statements: H314: Causes severe skin burns and eye damage.
Signal words: Danger
Hazard pictograms: GHS05: Corrosion

[cont...]

Crystel TANZANITE Manual Alkaline Detergent (Medium Foam) label and MSDS



- New CLP precautionary statements
- New CLP signal word 'Danger' and hazard statement
- Recognisable Crystel branding

EN Manual Alkaline Detergent
A heavy duty, medium foam liquid detergent for removal of organic soils including fats and oils.
Directions for use: Dilute to between 1% - 1% v/v. Rinse after use to ensure removal of residues from surfaces. For professional use only, refer to product instructions sheet prior to use.
Storage Information: Store in cool, well ventilated area. Keep container tightly closed.

FR Détergent alcalin manuel
Détergent liquide ultra puissant, à mousser moyennement pour le retrait de salissures organiques dont la graisse et les huiles.
Mode d'emploi: Diluer entre 1% et 5% v/v. Rincer après usage pour garantir le retrait des résidus de la surface. Destiné à usage professionnel uniquement. Consulter la fiche technique du produit avant son utilisation.
Des conditions de stockage: Stocker dans un endroit frais et bien aéré. Veiller à ce que le contenant soit bien fermé.

DE Basisches Reinigungsmittel
Ein mittelstark schäumendes, flüssiges Reinigungsmittel für stark verschmutzte und fettige Oberflächen aus organischen Substanzen (z.B. Fett und Öl).
Anwendung: Verdünnen auf 1% bis 5% v/v. Nach der Benützung spülen, um Ablagerungen von den Oberflächen sicher zu entfernen. Ausschluss für den Einsatz für Profis. Beachten Sie sich vor dem Gebrauch auf das Produktsicherheitsblatt.
Lagerung: Kühl und gut belüftet lagern. Behälter dicht geschlossen halten.

IT Detergente alcalino manuale
Detergente liquido mediumamente schiumoso per impieghi generali da utilizzare per la rimozione di sporchi organici, inclusi grassi e oli.
Istruzioni per l'uso: Diluire tra il 1% e il 5% v/v. Sciacquare dopo l'uso per garantire la rimozione dei residui dalla superficie. Destinato esclusivamente all'uso professionale. Consultare attentamente alla scheda tecnica del prodotto prima dell'uso.
Condizioni di stoccaggio: Conservare in un luogo fresco e ben ventilato. Conservare il contenitore ben chiuso.

ES Detergente alcalino para uso manual
Detergente líquido, de alta potencia, mediumamente espumante, para la eliminación de suciedad orgánica, incluidos aceites y grasas.
Instrucciones de uso: Diluir entre 1% - 5% v/v. Aclarar después del uso para asegurar la eliminación de residuos de las superficies. Solo para uso profesional; consultar la hoja de seguridad de producto antes de usar.
Información de almacenamiento: Almacenar en lugar fresco y bien ventilado. Mantener el recipiente herméticamente cerrado.

NL Alkalisch reinigingsmiddel voor handmatig gebruik
Een heavy duty, middel schuimend, vloeibaar reinigingsmiddel voor het verwijderen van organisch vuil, zoals vetten en oliën.
Gebruiksaanwijzing: Verdunnen met 1 - 5% v/v. Na gebruik afspuiten om ervoor te zorgen dat er geen residu op de oppervlakken achterblijft. Alleen voor professioneel gebruik, zie voor gebruik de productinstructies.
Opslaginformatie: Dit een koel goed geventileerde plaats opslaan. De deksel goed gesloten houden.

FR Danger
Cause severe skin burns and eye damage.
Precautions: Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash thoroughly with immediate effect.
IF ON EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

DE Gefahr
Verursacht schwere Verbürungen der Haut und schwere Augenirritationen.
Schutzhandschuhe/Schutzkleidung/Aggregat-/ Gesichtsschutztrage.
BEI KONTAKT MIT DER HAUT (oder dem Kleid): Alle beschmutzte, getrocknete Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/Schäumen.
BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

IT Pericolo
Provoca gravi ustioni cutanee e gravi lesioni oculari.
Precauzioni: Indossare guanti/indumenti protettivi/occhiali di sicurezza.
IN CASO DI CONTATTO CON LA PELLE (o con i capelli): togliere il tessuto immediatamente e lavare il tessuto contaminato. Sciacquare la pelle/le mani una dozzina di volte.
IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.

ES Peligro
Provoca quemaduras graves en la piel y lesiones oculares graves.
Precauciones: Llevar guantes/ropa de trabajo/ gafas/Indicador de protección.
EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente las prendas contaminadas. Aclararse la piel con agua abundante.
EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.

NL Gevaarlijk
Veroorzaakt ernstige brandwonden en oogletsel.
Veiligheidsmaatregelen: Beschermende handschoenen/beschermende kleding/ veiligheidsbril/gesichtsbescherming dragen.
BIJ CONTACT MET DE HUID (of het kleding) onmiddellijk de besmette kleding uittrekken - huid met water afspuiten/afschuimen.
BIJ CONTACT MET DE OGEN: voorzichtig afspuiten met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spülen.

Crystel TANZANITE is available in 20L, 200L and 1000L concentrate solutions.

Tristel
SAFETY DATA SHEET
TANZANITE

Page: 1
Compilation date: 16/02/2011
Revision date: 30/04/2015
Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: TANZANITE

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Detergent Solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7N
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Skin Corr. 1C; H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements
Label elements under CLP:
Hazard statements: H314: Causes severe skin burns and eye damage.
Signal words: Danger
Hazard pictograms: GHS05: Corrosion

Crystel OPAL

Manual Alkaline Floor Detergent (Heavy Duty) label and MSDS



New CLP precautionary statements

New CLP signal word 'Danger' and hazard statement

Recognisable Crystel branding

New CLP hazard pictogram

Crystel
OPAL
Heavy Duty Floor Detergent

EN Heavy Duty Floor Detergent
A non-flammable, heavy duty, liquid floor detergent for use on masonry or through floor sanding machines.

FR Detergent pour sols ultra-puissant
Détergent liquide pour sols, non inflammable, ultra-puissant, à utiliser avec un nettoyeur ou bien avec des appareils à rotation à sec.

EN Danger
Causes severe skin burns and eye damage.

FR Danger
Provoque des brûlures de la peau et des lésions oculaires graves.

DE Gefahr
Hochgradig schwere Verätzungen der Haut und schwere Augenschäden.

IT Pericolo
Provoca gravi ustioni cutanee e gravi lesioni oculari.

NL Gevaarlijk
Veroorzaakt ernstige brandwonden en oogletsel.

ES Peligro
Provoca graves quemaduras en la piel y lesiones oculares graves.

CR 313
5 litres

Manufactured in Great Britain by
Tristel Solutions Limited
Lynx Business Park, Stalwell,
Cambridgeshire, CB8 7NU, UK
T +44 (0)1638 721500
F +44 (0)1638 721911
E email@tristel.com
www.tristel.com

OV010/051/Issue 5

Crystel OPAL is available in a 5L concentrate solution.

New CLP 'hazards identification' section

New CLP classification

New CLP hazard statement

New CLP signal word

New CLP hazard pictogram

Tristel
SAFETY DATA SHEET
OPAL

Page: 1
Compilation date: 17/01/2011
Revision date: 30/04/2015
Revision No: 5

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: OPAL

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Detergent Solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7NU
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Skin Corr. 1C; H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements
Label elements under CLP:
Hazard statements: H314: Causes severe skin burns and eye damage.
Signal words: Danger
Hazard pictograms: GHS05: Corrosion

[cont...]

Crystal BLUE WIPES

Impregnated Sanitising Wipes label and MSDS



New CLP precautionary statements

New CLP signal word 'Danger' and hazard statements

Recognisable Crystal branding

Sanitising Wipes
An impregnated sanitising wipe with antibacterial properties for use in the Pharmaceutical and Personal Care Industries.

Directions for use
Open cap and feed wipe through hole in lid at 45 degree angle. Apply wipe to hard surface and leave to dry. Close centre cap after use. Dispose of container and contents in accordance with local policy and national regulations.

Storage Information
Keep container tightly closed and store in a cool, dry place.

Contains
De-ionised Water, Denatured Ethanol, Didecylidmonium Chloride, Isopropyl Alcohol, Lauryl Betaine, Preservatives.

Danger
Causes skin irritation.
Causes serious eye irritation.

Precautions
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash with plenty of soap and water.

Manufactured in Great Britain by
Tristel Solutions Limited
Lynx Business Park, Snailwell, Cambridgeshire, CB8 7NY, UK
T +44 (0)1638 721500
F +44 (0)1638 721911
E mail@triste.com
W www.triste.com

200mm x 230mm wipes

1000 Wipes

CRY213

CRY/BLU/010/Issue 3

New CLP hazard pictogram

Crystal **BLUE WIPES** are available in packs of 500 and 1000 wipes.

New CLP 'hazards identification' section

New CLP classification

SAFETY DATA SHEET
BLUE WIPES

Page: 1
Compilation date: 17/07/2012
Revision date: 30/04/2015
Revision No: 4

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: BLUE WIPES

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Hard surface sanitising wipe. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7NY
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@triste.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Eye Irrit. 2; H319; Skin Irrit. 2; H315
Most important adverse effects: Causes skin irritation. Causes serious eye irritation.

2.2. Label elements
Label elements under CLP:
Hazard statements: H315: Causes skin irritation.
H319: Causes serious eye irritation.
Signal words: Warning
Hazard pictograms: GHS07: Exclamation mark

New CLP signal word

New CLP hazard pictogram

Crystal RUBY CIP Acidic Detergent label and MSDS



- New CLP precautionary statements
- New CLP signal word 'Danger' and hazard statement
- Recognisable Crystal branding

Crystal RUBY

EN CIP Acidic Detergent
A/CIP heavy duty, non-flammable phosphoric acid based liquid detergent for the removal of organic and inorganic soils, particularly mineral and calcium based deposits.

FR Détergent acide NEP
Détergent à base d'acide phosphorique, NEP, non inflammable et non explosif, pour le retrait de résidus organiques et non organiques, particulièrement les dépôts à base de calcium et minéraux.

DE Saurer CIP-Reiniger
In saurem, alkalischen, auf Phosphorsäure basierendes, konzentriertes CIP-Reinigungspräparat für starke Verschmutzungen zur Entfernung von organischen und anorganischen Verschmutzungen, insbesondere von Kalk- und Mineralablagerungen.

IT Detergente acido CIP
Detergente liquido non infiammabile a base di acido fosforico per impieghi generali da utilizzare per la rimozione di sporcizia organica ed inorganica, in particolare depositi minerali e a base di calcio.

NL CIP Zuur reinigingsmiddel
Een CIP-zuur droog, niet-ontvlambaar, op fosforzuur gebaseerd vloeibaar reinigingsmiddel voor het verwijderen van organisch en anorganisch vuil, vooral voor mineralen en op calcium gebaseerde vervuiling.

ES Detergente ácido para CIP
Detergente líquido para CIP de alta potencia, no explosivo, ni base a ácido fosfórico, para la eliminación de suciedad orgánica e inorgánica, en particular depósitos minerales y cálcicos.

FR Danger
Causev serious skin burns and eye damage.

DE Gefahr
Verursacht schwere Verätzungen der Haut und schwere Augenschäden.

NL Gevaarlijk
Veroorzaakt ernstige brandwonden en oogletsel.

ES Peligro
Provoca graves lesiones de la piel y lesiones oculares graves.

New CLP hazard pictogram



Crystal RUBY is available in 20L, 200L and 1000L concentrate solutions.

Tristel SAFETY DATA SHEET RUBY

Page: 1
Compilation date: 18/01/2011
Revision date: 30/04/2015
Revision No: 5

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: RUBY

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Detergent Solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7N
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Skin Corr. 1C; H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements
Label elements under CLP:
Hazard statements: H314; Causes severe skin burns and eye damage.
Signal words: Danger
Hazard pictograms: GHS05; Corrosion

New CLP 'hazards identification' section

New CLP classification

New CLP hazard statement

New CLP signal word

New CLP hazard pictogram

[cont...]

Crystel AMETHYST

CIP Alkaline Detergent (Medium Duty) label and MSDS



- New CLP precautionary statements
- New CLP signal word 'Danger' and hazard statement
- Recognisable Crystel branding

EN CIP Alkaline Detergent
Aqueous solution, non-flammable, caustic based liquid detergent for the removal of organic soils, including fats and oils.

FR Detergent alcalin NEP
Détergent liquide à base caustique, NEP, non inflammable et à base aqueuse destiné pour le retrait de salissures organiques, y compris la graisse et l'huile.

EN Danger
Causes severe skin burns and eye damage.

FR Danger
Provoque des brûlures de la peau et des lésions oculaires graves.

DE Basisches CIP - Reinigungsmittel
Ein nichtbrennendes, auf Alkalien basierendes, flüssiges CIP-Reinigungsmittel für industrielle Beanspruchungen zur Entfernung von organischen Schmutz (z.B. Fett und Öl).

IT Detergente alcalino CIP
Detergente liquido CIP non infiammabile a base caustica per impieghi medi da utilizzare per la rimozione di sporchie organica, inclusi grassi e oli.

ES Detergente para CIP alcalino
Detergente líquido para CIP de potencia media, no inflamable, cáustico, para la eliminación de suciedad orgánica, incluidos aceites y grasas.

NL CIP Alkalische reiniger
Een CIP, medium duty, niet ontvlambaar, alkalisch vloeibaar reinigingsmiddel voor het verwijderen van organisch vuil, inclusief vetten en oliën.

ES Peligro
Puede causar graves lesiones de la piel y lesiones oculares graves.

NL Gevaarlijk
Vernooft ernstige brandwonden en oogletsel.

Crystel AMETHYST is available in 20L, 200L and 1000L concentrate solutions.

Tristel SAFETY DATA SHEET AMETHYST

Page: 1
Compilation date: 19/01/2011
Revision date: 30/04/2015
Revision No: 5

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier
Product name: AMETHYST

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Detergent Solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7NY
United Kingdom
Tel: +44 (0) 1638 721 500
Fax: +44 (0) 1638 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1638 721 500 (office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Skin Corr. 1B; H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements
Label elements under CLP:
Hazard statements: H314; Causes severe skin burns and eye damage.
Signal words: Danger
Hazard pictograms: GHS05: Corrosion

Crystel TOPAZ CIP Alkaline Detergent (Heavy Duty) label and MSDS



New CLP precautionary statements

New CLP signal word 'Danger' and hazard statement

Recognisable Crystel branding

EN CIP Alkaline Detergent
AGD Heavy duty, non-flammable, caustic based liquid detergent for the removal of organic soils, including fat and oils.
Directions for use
Dilute to between 0.5% - 5% v/v. Rinse after use to ensure removal of residue from surfaces. For professional use only, refer to product selection sheet prior to use.
Storage Information
Store in cool, well ventilated area. Keep container tightly closed.

FR Détergent alcalin REP
Détergent liquide à base caustique, NEF, non moussant et ultra-puissant pour le retrait de saletés organiques (graisses et huiles).
Mode d'emploi
Diluer entre 0,5% et 5% v/v. Rincer après usage pour garantir l'absence des résidus de la surface. Destiné à usage professionnel uniquement. Consultez la fiche technique du produit avant son utilisation.
Les conditions de stockage
Stockez dans un endroit frais et bien aéré. Veiller à ce que le contenant soit bien fermé.

DE Basisches CIP-Reinigungsmittel
Ein nichtschäumendes, auf Ammoniumcarbonat, Natriumcarbonat und Natriumhydroxid basiertes caustisches CIP-Reinigungsmittel für starke Beanspruchungen zur Entfernung von organischen Schmutz (Fett und Öle).
Gebrauchsanleitung
Verdünnen auf 0,5% bis 5% v/v. Nach der Benutzung spülen, um Ablagerungen von dem Oberfläche sicher zu entfernen. Anwendung nur durch Fachpersonal. Beachten Sie sich vor dem Gebrauch auf das Produktsicherheitsblatt.
Lagerung
Nicht mit giftig behälter lagern. Behälter dicht geschlossen halten.

NL CIP Alkalische reiniger
Een CIP, heavy duty, niet schuimend, vloedend vloeibaar reinigingsmiddel op een basis van organisch veld, inclusief vetten en oliën.
Gebruiksaanwijzing
Verdueren tot 0,5 - 5% v/v. Na gebruik afspuiten om ervoor te zorgen dat er geen resten van opgesloten achterblijft. Alleen voor professioneel gebruik, zie voor perioden de productgegevens in de handleiding.
Opslaginformatie
Op een koel goed geventileerde plaats opslaan. De houder goed gesloten houden.

ES Detergente alcalino para CIP
Detergente líquido para CIP caustico, de alta potencia, no espumante, para la eliminación de suciedad orgánica, incluidos aceites y grasas.
Instrucciones de uso
Diluir entre 0,5% - 5% v/v. Actuar después de uso para asegurar la eliminación de residuos en las superficies. Solo para uso profesional, consultar la hoja de selección de productos de uso.
Información de almacenamiento
Almacenar en lugar fresco y bien ventilado. Mantener el recipiente herméticamente cerrado.

EN Danger
Causes severe skin burns and eye damage.
Precautions
Wear protective gloves/protective clothing/eye protection, if in contact (see label). Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

FR Danger
Provoque des brûlures de la peau et des lésions oculaires graves.
Précautions
Porter des gants de protection/les vêtements de protection/ un équipement de protection des yeux/du visage.
EN CAS DE CONTACT AVEC LA PEAU ou les cheveux: enlever immédiatement les vêtements contaminés. Rincer la peau à l'eau/ju à aboucher.
EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Retirer les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.

DE Gefahr
Verursacht schwere Verätzungen der Haut und schwere Augenschäden.
Vorkehrungen
Schutzhandschuhe/Schutzkleidung/Augenschutz/Geschichtschutz tragen.
BEI KONTAKT MIT DER HAUT: Alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen.
BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

IT Pericolo
Provoca gravi ustioni cutanee e gravi lesioni oculari.
Precauzioni
Indossare guanti/vestimenti protettivi/Proteggere gli occhi/ il viso.
IN CASO DI CONTATTO CON LA PELLE (o con i capelli): togliere di colpo immediatamente tutti gli indumenti contaminati. Sciacquare la pelle/ferm una doccia.
IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare nach Möglichkeit entfernen. Weiter spülen.

NL Gevaarlijk
Vernauwde ernstige brandwonden en oogletsel.
Voortgangmaatregelen
Beschermende handschoenen/beschermende kleding/ oogbescherming/geschichtsbescherming dragen.
BIJ CONTACT MET DE HUID (of het haar): alle vervuilde kleding onmiddellijk uittrekken - huid met water afspuiten/douchen.
BIJ CONTACT MET DE OGEN: voorzichtig afspuiten met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spuiten.

ES Peligro
Provoca quemaduras graves en la piel y lesiones oculares graves.
Precauciones
Usar guantes (protección/gaños)/ropa de protección. Ojos/ cara y cabeza.
EN CASO DE CONTACTO CON LA PIEL (o con el pelo): quitarse inmediatamente todos los elementos contaminados. Achararse la piel con agua o ducha.
EN CASO DE CONTACTO CON LOS OJOS: Actuar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto si lleva y resulta fácil. Seguir aclarando.

CRY404
20 litres

Manufactured in Great Britain by
Tristel Solutions Limited
Lynx Business Park, Southwell,
Cambridgeshire, CB8 7NY, UK
T +44 (0)1538 721300
F +44 (0)1538 721311
E mail@tristel.com
W www.tristel.com

CRY/TOP/rev:01/2016



Crystel TOPAZ is available in 20L, 200L and 1000L concentrate solutions.

New CLP 'hazards identification' section

New CLP classification

Tristel
SAFETY DATA SHEET
TOPAZ
Page: 1
Compilation date: 21/02/2011
Revision date: 30/04/2015
Revision No: 4

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: TOPAZ

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Detergent Solution. For professional use only. Uses advised against: Uses other than the intended use of the product

1.3. Details of the supplier of the safety data sheet
Company name: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Newmarket
Cambridgeshire
CB8 7NY
United Kingdom
Tel: +44 (0) 1538 721 500
Fax: +44 (0) 1538 721 911
Email: healthandsafety@tristel.com

1.4. Emergency telephone number
Emergency tel: +44 (0) 1538 721 500
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Skin Cor. 1B; H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements
Label elements under CLP:
Hazard statements: H314: Causes severe skin burns and eye damage.
Signal words: Danger
Hazard pictograms: GHS05: Corrosion

New CLP hazard statement

New CLP signal word

New CLP hazard pictogram

[cont...]

Crystal QUARTZ Peracetic Acid Disinfectant label and MSDS



New CLP precautionary statements

New CLP signal word 'Danger' and hazard statements

Recognisable Crystal branding

CRY410
20 litres

Manufactured in Great Britain by
Troyal Solutions Limited
Troyal Business Park, Sleaford,
Cambridgeshire, CB3 7XN UK
T: +44 (0)1538 721500
F: +44 (0)1538 721511
E: info@troyal.com
www.troyal.com

CRY/QUARTZ/Issue 4

New CLP hazard pictograms

Crystal QUARTZ is available in 20L, 200L and 1000L concentrate solutions.

SAFETY DATA SHEET
QUARTZ

Page: 2

Signal words: Danger

Hazard pictograms: GHS03: Flame over circle
GHS05: Corrosion
GHS07: Exclamation mark

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards
PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROGEN PEROXIDE SOLUTION

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-765-0	7722-84-1	-	Ox. Liq. 1: H271; Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314	10-30%

ACETIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-580-7	64-19-7	-	Flam. Liq. 3: H226; Skin Corr. 1A: H314	1-10%

PERACETIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
201-186-8	79-21-0	-	Flam. Liq. 3: H226; Org. Perox. CD: H242; Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400	1-10%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination. Consult with an ophthalmologist immediately in all cases.

[cont...]

Crystal ZIRCON

Chlorine Disinfectant label and MSDS



New CLP
precautionary
statements

New CLP signal
word 'Danger' and
hazard statements

Recognisable
Crystal
branding

Crystal ZIRCON

Sodium Hypochlorite Solution 14/15%

A non foaming, sodium hypochlorite based liquid disinfectant.

Directions for use
Dilute to between 0.5% - 2% v/v.
A minimum contact time of 5mins for bacteria and 15mins for fungi or in accordance with site protocol. Rinse after use to ensure removal of residue from surfaces. For professional use only, refer to product technical file prior to use.

Storage information
Store locked up, in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids. Dispose of contents/container in accordance with local/national regulations.

**CRY505
20 litres**

Manufactured in Great Britain by
Tristel Solutions Limited
lynx Business Park, Snailwell,
Cambridgeshire, CB8 7NX, UK
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F +44 (0)1638 721911
E mail@tristel.com
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CRY/ZIR/013/Issue 3

Danger
Contact with acids liberates toxic gas. Causes severe skin burns and eye damage.
Very toxic to aquatic life.

Precautions
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.





New CLP
hazard
pictograms

Crystal ZIRCON is available in 20L, 200L and 1000L concentrate solutions.

New CLP 'hazards
identification' section

SAFETY DATA SHEET
ZIRCON

Page: 2

Precautionary statements: P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection.
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:
SODIUM HYPOCHLORITE SOLUTION CL ACTIVE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-668-3	7681-52-9	-	Skin Corr. 1B: H314; Aquatic Acute 1: H400; -, EUH031	10-30%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

[cont...]

New CLP
hazard
pictograms

New CLP
precautionary
statements

Crystal AMBER Chlorinated Alkaline Sanitiser label and MSDS



New CLP
precautionary
statements

New CLP signal
word 'Danger' and
hazard statements

Recognisable
Crystal
branding

**Crystal
AMBER**

[EN] Chlorinated Alkaline Sanitiser
A rotational, non foaming, chlorine based alkaline liquid disinfectant.
Directions for use
Dilute to between 0.5% - 5% v/v. Rinse after use to ensure removal of residue from surfaces. For professional use only, refer to product selection sheet prior to use.
Storage Information
Store in cool, well ventilated area. Keep container tightly closed.

[DE] Basische Chlorbleiche
Nichtschäumendes, auf Chlor basierendes, basisches, flüssiges Rotationsdesinfektionsmittel.
Gebrauchsanleitung
Verdünnung auf 0,5% bis 5% v/v. Nach der Benutzung spülen, um Ablagerungen von den Oberflächen sicher zu entfernen. Anwendung nur durch Fachpersonal. Beziehen Sie sich vor dem Gebrauch auf das Produktauswahlblatt.
Lagerung
Kühl und gut belüftet lagern. Behälter dicht geschlossen halten.

[NL] Alkalisch gechlorend ontsmettingsmiddel
Roulerend, niet schuimend, op chloor gebaseerd alkalisch vloeibaar ontsmettingsmiddel.
Gebruiksaanwijzingen
Verduinen tot 0,5 - 5 % vol. Na gebruik afspolien om ervoor te zorgen dat er geen residu op de oppervlakken achterblijft. Alleen voor professioneel gebruik, gelieve voor gebruik de productgegevens te raadplegen.
Opslaginstructies
Op een koele goed geventileerde plaats opslaan. De houder goed gesloten houden.

[EN] Danger
Contact with acids liberates toxic gas. Causes severe skin burns and eye damage. Very toxic to aquatic life.
Precautions
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

[DE] Gefahr
Entwickelt bei Berührung mit Säure sehr giftige Gase. Verursacht schwere Verätzungen der Haut und schwere Augenschäden. Sehr giftig für Wasserorganismen.
Vorsichtsmaßnahmen
Freisetzung in die Umwelt vermeiden.
Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen.
BEI KONTAKT MIT DER HAUT (oder dem Haar): Alle beschmutzten, getränkten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen.
BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

[NL] Gevaarlijk
Vormt zeer giftig gas in contact met zuren. Veroorzaakt ernstige brandwonden en oogletsel.Zeer giftig voor in het water levende organismen.
Voorzorgsmaatregelen
Voorzien lozing in het milieu.
Beschermende handschoven/beschermende kleding/ogbescherming/afzaitbescherming dragen.
BIJ KONTAKT MET DE HUID (of het haar): verwontente kleding onmiddellijk uittrekken - huid met water afspolien/douchen.
BIJ KONTAKT MET DE OGEN: voorzichtig afspolien met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spülen.

**CRY501
20 litres**

Manufactured in Great Britain by
Triseal Solutions Limited
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Cambridgeshire, CB8 7NK UK
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CRY/AMBER/11/Issue 3

New CLP
hazard
pictograms



Crystal AMBER is available in 20L, 200L and 1000L concentrate solutions.

New CLP 'hazards
identification' section

SAFETY DATA SHEET
AMBER
Page: 2

Precautionary statements: P273: Avoid release to the environment.
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2.3. Other hazards
PBT: This product is not identified as a PBT/PvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SODIUM HYPOCHLORITE SOLUTION CL ACTIVE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-668-3	7681-52-9	-	Skin Corr. 1B; H314; Aquatic Acute 1; H400; - EUH031	1-10%

SODIUM HYDROXIDE

215-185-5	1310-73-2	-	Skin Corr. 1A; H314	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

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Eye contact: Bathse the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

[cont...]

New CLP
hazard
pictograms

New CLP
precautionary
statements

THE CRYSTEL ADVANTAGE

With our experienced team and our knowledge of the industry requirements, we are proud to offer the following:

- Own manufacturing
- Flexible distribution
- Innovation
- Efficacy of products
- Experienced technical support
- Global distribution network

STANDARDS AND DIRECTIVES

All Crystel products are registered or compliant with the following:

- BS EN ISO 9001:2008
- Detergents Directive 648/2004
- 1907/2006/EC REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals)

TECHNICAL DOCUMENTS

Each Crystel product comes with its own detailed technical file. This includes:

- Product Specification
- Manufacturing Process
- Shelf-life
- Microbiological Data
- Analytical Data

PRODUCT MANUFACTURE

At Tristel we manufacture all of our non-sterile detergents and disinfectants to GMP standards. In our Cleanroom we can produce terminally sterilised and aseptically-filled products. All sterile products are filled in Grade A environments located within our Grade B room. This on-site manufacturing facility enables us to have the flexibility to specifically meet the needs of our customers.

CRYSTEL CERTIFICATION

Each product is supplied with its own Certificate of Analysis. Sterile products are supplied with Certificates of Sterility and Endotoxin Certification. Certifications of Irradiation are supplied where applicable.

PRODUCT SUPPORT

Fixed formulations

To minimise the effects of change and re-validation, Tristel have protected the formulation of the Crystel range. Products will only be reformulated under force majeure or other exceptional circumstances including changes in European legislation.

ON-SITE TESTING

Chemical testing

A service can be provided to assist you in testing the concentrations of the Crystel product range. This is achieved by individual drop test methods and gives the user peace of mind that the product they are working with is being used at the correct concentration, therefore giving optimum cleaning capability.

PRODUCT TRIALS

On-site support is provided to ensure the correct chemical applications and formulations are used. The recommended in-use controls such as concentrations, temperature and time are used to determine optimum performance of the Crystel chemicals.

HYGIENE AUDITS

On-site hygiene audits can also be carried out. Once undertaken, we will then provide a report summarising the observations and suggest any corrective action that may be required.

CUSTOMER SUPPORT

Chemical equipment and application recommendations

We have the ability and expertise to carry out on-site audits to enable the most effective cleaning and disinfection recommendations. We can offer equipment dosing and Cleaning In Place (CIP) optimisation for the correct delivery of chemical, in addition to advice on manual and automatic cleaning regimes. Personal care and floor hygiene recommendations can also be incorporated into your cleaning and disinfection procedures.

The Crystel range is manufactured in Great Britain by:



Tristel Solutions Limited
Lynx Business Park,
Fordham Road, Snailwell,
Cambridgeshire, CB8 7NY, UK

Call: 01638 721500

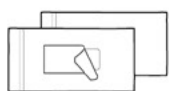
Email: mail@tristel.com

Visit: www.tristel.com



CRYSTEL STERILE DISINFECTANTS AT A GLANCE

	Format	Size	Dilution	Description	Areas of use	Microbiological test data	Code
GOLD IPA 70% v/v with Water For Injection	Trigger spray	6 x 1L	Ready-to-use	Non-residue, IPA blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY101
	RTU solution	2 x 5L	Ready-to-use	Non-residue, IPA blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY102
	Session pack 20 wipes	20 pack	Ready-to-use	Non-residue, IPA blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY140
	Session pack 50 wipes	10 pack	Ready-to-use	Non-residue, IPA blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY145
	200 wipes	12 tubs	Ready-to-use	Non-residue, IPA blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY148
SILVER Denatured Ethanol 70% v/v with Water For Injection	Trigger spray	6 x 1L	Ready-to-use	Non-residue, Denatured Ethanol blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY104
	RTU solution	2 x 5L	Ready-to-use	Non-residue, Denatured Ethanol blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY105
	Session pack 20 wipes	20 pack	Ready-to-use	Non-residue, Denatured Ethanol blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY141
	Session pack 50 wipes	10 pack	Ready-to-use	Non-residue, Denatured Ethanol blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY146
	200 wipes	12 tubs	Ready-to-use	Non-residue, Denatured Ethanol blended with WFI	Product contact surfaces, spraying in and gloved hands	EN1276, EN1650, EN13697	CRY149
PLATINUM QAC / Biguanide Sterile Disinfectant	Concentrate bottle	50 x 100ml	Dilute to 2%	Surface active rotational disinfectant	Walls, floors, surfaces and equipment	EN1276, EN1650, EN13697	CRY109
	Trigger spray	6 x 900ml	Ready-to-use	Surface active rotational disinfectant	Walls, floors, surfaces and equipment	EN1276, EN1650, EN13697	CRY110
	RTU solution	2 x 5L	Ready-to-use	Surface active rotational disinfectant	Walls, floors, surfaces and equipment	EN1276, EN1650, EN13697	CRY111
	Session pack 20 wipes	20 pack	Ready-to-use	Surface active rotational disinfectant	Walls, floors, surfaces and equipment	EN1276, EN1650, EN13697	CRY142
DIAMOND Amphoteric Sterile Disinfectant	Concentrate bottle	50 x 100ml	Dilute to 2%	Surface active rotational disinfectant	Walls, floors, surfaces and equipment	EN1276, EN1650, EN13697	CRY106
	Trigger spray	6 x 900ml	Ready-to-use	Surface active rotational disinfectant	Walls, floors, surfaces and equipment	EN1276, EN1650, EN13697	CRY107
	RTU solution	2 x 5L	Ready-to-use	Surface active rotational disinfectant	Walls, floors, surfaces and equipment	EN1276, EN1650, EN13697	CRY108
	Session pack 20 wipes	20 pack	Ready-to-use	Surface active rotational disinfectant	Walls, floors, surfaces and equipment	EN1276, EN1650, EN13697	CRY143
CRY-SPORE Chlorine Dioxide Sporicidal Disinfectant	Activator and Base concentrate bottles	25 x 100ml of each	Dilute to 2%	Two-part activated Chlorine dioxide disinfectant	Walls, floors and environmental disinfection	EN1276, EN1650, EN13704, EN13697	CRY119
	Activator and Base	100ml Activator 4.9L Base	Ready-to-use	Two-part activated Chlorine dioxide disinfectant	Walls, floors and environmental disinfection	EN1276, EN1650, EN13704, EN13697, EN14476	CRY120
EMERALD Sterile Manual Neutral Detergent	Concentrate bottle	50 x 50ml	Dilute to 1%	Manual neutral detergent	Environmental cleaning of floors and walls	-	CRY121
TITANIUM Sterile Chlorine Dioxide Spray	Activator and Base two-part trigger spray	300ml Activator 300ml Base	Ready-to-use	Two-part activated Chlorine dioxide disinfectant	Environmental and surface disinfection	EN1276, EN1650, EN13704, EN13697	CRY151
DRY WIPES for use with Sterile Disinfectants							
	Session pack 20 wipes	20 pack	N/A	Non-woven, low particulate, low-linting, dry wipe	For application of Crystel disinfectants to surfaces	-	CRY150



20 and 50 wipe session packs



200 wipe tub



50ml and 100ml concentrate bottles



300ml Activator / 300ml Base trigger spray









900ml and 1L trigger sprays



4.9L and 5L containers

CRYSTEL MANUAL DETERGENTS AT A GLANCE

	Format	Size	Dilution	Description	Areas of use	Code
	PERIDOT Manual Detergent Sanitiser					
	Concentrate solution	2 x 5L	0.5% – 2% v/v	Single stage neutral sanitiser	Walls, floors, surfaces and ceilings	CRY311
	Concentrate solution	20L	0.5% – 2% v/v	Single stage neutral sanitiser	Walls, floors, surfaces and ceilings	CRY312
	EMERALD Manual Neutral Detergent					
	Concentrate solution	2 x 5L	0.5% – 2% v/v	Soft metal safe neutral detergent	Walls, floors, surfaces, ceilings, equipment and utensils	CRY307
	Concentrate solution	20L	0.5% – 2% v/v	Soft metal safe neutral detergent	Walls, floors, surfaces, ceilings, equipment and utensils	CRY308
	Concentrate solution	200L	0.5% – 2% v/v	Soft metal safe neutral detergent	Walls, floors, surfaces, ceilings, equipment and utensils	CRY309
	Concentrate solution	1000L	0.5% – 2% v/v	Soft metal safe neutral detergent	Walls, floors, surfaces, ceilings, equipment and utensils	CRY310
	SAPPHIRE Manual Alkaline Detergent (High Foam)					
	Concentrate solution	2 x 5L	1% – 5% v/v	Heavy duty detergent for removal of organic soils including fats and oils	Walls, floors, product contact areas, equipment such as vessels, filling lines and utensils	CRY314
	Concentrate solution	20L	1% – 5% v/v	Heavy duty detergent for removal of organic soils including fats and oils	Walls, floors, product contact areas, equipment such as vessels, filling lines and utensils	CRY301
	Concentrate solution	200L	1% – 5% v/v	Heavy duty detergent for removal of organic soils including fats and oils	Walls, floors, product contact areas, equipment such as vessels, filling lines and utensils	CRY302
	Concentrate solution	1000L	1% – 5% v/v	Heavy duty detergent for removal of organic soils including fats and oils	Walls, floors, product contact areas, equipment such as vessels, filling lines and utensils	CRY303
	TANZANITE Manual Alkaline Detergent (Medium Foam)					
	Concentrate solution	20L	1% – 5% v/v	Heavy duty detergent for removal of organic soils including fats and oils	Walls, floors, product contact areas, equipment such as vessels, filling lines and utensils	CRY304
	Concentrate solution	200L	1% – 5% v/v	Heavy duty detergent for removal of organic soils including fats and oils	Walls, floors, product contact areas, equipment such as vessels, filling lines and utensils	CRY305
	Concentrate solution	1000L	1% – 5% v/v	Heavy duty detergent for removal of organic soils including fats and oils	Walls, floors, product contact areas, equipment such as vessels, filling lines and utensils	CRY306
	OPAL Alkaline Floor Detergent (Heavy Duty)					
	Concentrate solution	2 x 5L	1% – 2% v/v	Non-foaming heavy duty floor detergent	Manual or through floor scrubbing machines	CRY313
	BLUE WIPES Impregnated Sanitising Wipes					
	500 wipes	500 tub	Ready-to-use	Impregnated sanitising wipes with antibacterial properties	Pharmaceutical and Personal Care industries	CRY214
	1000 wipes	1000 tub	Ready-to-use	Impregnated sanitising wipes with antibacterial properties	Pharmaceutical and Personal Care industries	CRY213



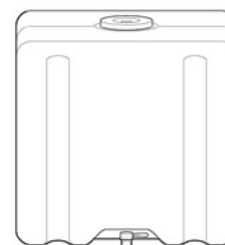
5L container



20L container



200L container



1000L container

CRYSTEL CIP DETERGENTS AT A GLANCE

RUBY CIP Acidic Detergent	Format	Size	Dilution	Areas of use	Description	Code
	Concentrate solution	20L	0.5% – 5% v/v	Equipment – scale residue	Heavy duty non-foaming detergent. Excellent removal of mineral and calcium based deposits and soils	CRY407
	Concentrate solution	200L	0.5% – 5% v/v	Equipment – scale residue	Heavy duty non-foaming detergent. Excellent removal of mineral and calcium based deposits and soils	CRY408
	Concentrate solution	1000L	0.5% – 5% v/v	Equipment – scale residue	Heavy duty non-foaming detergent. Excellent removal of mineral and calcium based deposits and soils	CRY409
AMETHYST CIP Alkaline Detergent (Medium Duty)						
	Concentrate solution	20L	1% – 5% v/v	Equipment – CIP and spray wash enclosed systems	Medium duty detergent for the removal of fats and oils	CRY401
	Concentrate solution	200L	1% – 5% v/v	Equipment – CIP and spray wash enclosed systems	Medium duty detergent for the removal of fats and oils	CRY402
	Concentrate solution	1000L	1% – 5% v/v	Equipment – CIP and spray wash enclosed systems	Medium duty detergent for the removal of fats and oils	CRY403
TOPAZ CIP Alkaline Detergent (Heavy Duty)						
	Concentrate solution	20L	0.5% – 5% v/v	Equipment – CIP and spray wash enclosed systems	Heavy duty detergent for the removal of fats and oils	CRY404
	Concentrate solution	200L	0.5% – 5% v/v	Equipment – CIP and spray wash enclosed systems	Heavy duty detergent for the removal of fats and oils	CRY405
	Concentrate solution	1000L	0.5% – 5% v/v	Equipment – CIP and spray wash enclosed systems	Heavy duty detergent for the removal of fats and oils	CRY406



20L container



200L container



1000L container

CRYSTEL NON-STERILE DISINFECTANTS AT A GLANCE

	Format	Size	Dilution	Description	Areas of use	Microbiological test data	Code
QUARTZ Peracetic Acid Disinfectant	Concentrate solution	20L	0.3% – 4% v/v	Non-foaming CIP peracetic acid disinfectant	CIP and spray wash enclosed systems	EN1276, EN1650, EN13704	CRY410
	Concentrate solution	200L	0.3% – 4% v/v	Non-foaming CIP peracetic acid disinfectant	CIP and spray wash enclosed systems	EN1276, EN1650, EN13704	CRY411
	Concentrate solution	1000L	0.3% – 4% v/v	Non-foaming CIP peracetic acid disinfectant	CIP and spray wash enclosed systems	EN1276, EN1650, EN13704	CRY412
ZIRCON Chlorine Disinfectant							
	Concentrate solution	20L	0.5% – 2% v/v	Chlorine disinfectant	Walls, floors and equipment	EN1276	CRY504
	Concentrate solution	200L	0.5% – 2% v/v	Chlorine disinfectant	Walls, floors and equipment	EN1276	CRY505
	Concentrate solution	1000L	0.5% – 2% v/v	Chlorine disinfectant	Walls, floors and equipment	EN1276	CRY506
AMBER Chlorinated Alkaline Sanitiser							
	Concentrate solution	20L	0.5% – 5% v/v	Non-foaming chlorinated alkaline sanitiser	Walls, floors, product contact areas and equipment such as filling lines	EN1276, EN1650	CRY501
	Concentrate solution	200L	0.5% – 5% v/v	Non-foaming chlorinated alkaline sanitiser	Walls, floors, product contact areas and equipment such as filling lines	EN1276, EN1650	CRY502
	Concentrate solution	1000L	0.5% – 5% v/v	Non-foaming chlorinated alkaline sanitiser	Walls, floors, product contact areas and equipment such as filling lines	EN1276, EN1650	CRY503
GOLD IPA Wipes							
	200 wipes	12 tubs	Ready-to-use	Non-residue, IPA blended with WFI	Product contact surfaces and equipment	EN1276	CRY208
BRONZE Denatured Ethanol 70% v/v with Water For Injection							
	RTU solution	6 x 1L	Ready-to-use	Denatured Ethanol blended with WFI	Product contact surfaces, equipment and gloved hands	EN1276, EN1650, EN13697	CRY236
DIAMOND Amphoteric Disinfectant							
	Concentrate solution	2 x 5L	1% – 2% v/v	Surface active rotational disinfectant	Product contact surfaces, filling and manufacturing equipment, walls, floors, drains, soaking, fogging	EN1276, EN1650, EN13697	CRY201
	Concentrate solution	20L	1% – 2% v/v	Surface active rotational disinfectant	Product contact surfaces, filling and manufacturing equipment, walls, floors, drains, soaking, fogging	EN1276, EN1650, EN13697	CRY202
	Concentrate solution	200L	1% – 2% v/v	Surface active rotational disinfectant	Product contact surfaces, filling and manufacturing equipment, walls, floors, drains, soaking, fogging	EN1276, EN1650, EN13697	CRY203
	Concentrate solution	1000L	1% – 2% v/v	Surface active rotational disinfectant	Product contact surfaces, filling and manufacturing equipment, walls, floors, drains, soaking, fogging	EN1276, EN1650, EN13697	CRY204
PLATINUM QAC/Biguanide Disinfectant							
	Concentrate solution	2 x 5L	1% – 2% v/v	Surface active rotational disinfectant	Product contact surfaces, filling and manufacturing equipment, walls, floors, drains, soaking, fogging	EN1276, EN1650, EN13697	CRY205
	Concentrate solution	20L	1% – 2% v/v	Surface active rotational disinfectant	Product contact surfaces, filling and manufacturing equipment, walls, floors, drains, soaking, fogging	EN1276, EN1650, EN13697	CRY206
	Concentrate solution	200L	1% – 2% v/v	Surface active rotational disinfectant	Product contact surfaces, filling and manufacturing equipment, walls, floors, drains, soaking, fogging	EN1276, EN1650, EN13697	CRY215
	Concentrate solution	1000L	1% – 2% v/v	Surface active rotational disinfectant	Product contact surfaces, filling and manufacturing equipment, walls, floors, drains, soaking, fogging	EN1276, EN1650, EN13697	CRY216



200 wipe tub



1L trigger spray



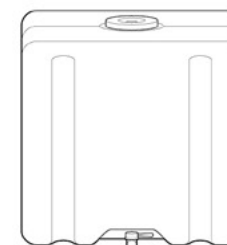
5L container



20L container



200L container



1000L container



For more information call **+44 (0)1638 721500** or email **mail@tristel.com**

www.tristel.com