

## SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 1

Compilation date: 21/06/2012

Revision date: 01/05/2015

Revision No: 6

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

#### 1.1. Product identifier

**Product name:** DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

#### 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 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:** Eye Dam. 1: H318; Aquatic Chronic 3: H412; Carc. 2: H351; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT RE 2: H373

**Classification under CHIP:** Xn: R20; Xn: R40; Xi: R41; Sens.: R43; Xn: R48/20; -: R52/53

**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

**Label elements under CLP:**

**Hazard statements:** H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

# SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 2

H351: Suspected of causing cancer.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion

GHS07: Exclamation mark

GHS08: Health hazard



**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.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+313: If skin irritation or rash occurs: 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:

C9-C11 ALCOHOL ETHOXYLATE (6)

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	68439-46-3	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%

PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%
-----------	---------	---	---	-------

DIDECYLDIMETHYLAMMONIUM CHLORIDE

230-525-2	7173-51-5	-	Acute Tox. 4: H302; Skin Corr. 1B: H314	1-10%
-----------	-----------	---	---	-------

[cont...]

# SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 3

## POLYMERIC BIGUANIDE HYDROCHLORIDE

-	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%
---	------------	---	---	-------

## ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE

270-325-2	68424-85-1	-	Acute Tox. 4: H302; Skin Corr. 1B: 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. If skin irritation or rash occurs: Get medical advice.

**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 pain 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.

**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.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

# SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 4

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** Disinfectant Solution. For professional use only.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**PROPAN-2-OL**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m <sup>3</sup>	1250 mg/m <sup>3</sup>	-	-

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

[cont...]

# SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 5

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Characteristic odour

**Evaporation rate:** As water

**Oxidising:** No data available.

**Solubility in water:** No data available.

**Boiling point/range °C:** No data available.

**Flammability limits %: lower:** No data available.

**Flash point °C:** No data available.

**Autoflammability °C:** No data available.

**Relative density:** Approx 1.000

**VOC g/l:** No data available.

**Melting point/range °C:** No data available.

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** 4.5 - 6.5

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Hot surfaces. Flames.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

[cont...]

# SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 6

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

##### C9-C11 ALCOHOL ETHOXYLATE (6)

ORAL	RAT	LD50	200-2000	mg/kg
------	-----	------	----------	-------

##### PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

##### DIDECYLDIMETHYLAMMONIUM CHLORIDE

IPR	RAT	LD50	45	mg/kg
ORL	MUS	LD50	268	mg/kg

##### POLYMERIC BIGUANIDE HYDROCHLORIDE

ORAL	RAT	LD50	>2000	mg/kg
------	-----	------	-------	-------

#### Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH	Hazardous: calculated
Irritation	OPT	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

### Symptoms / routes of exposure

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

**Eye contact:** There may be pain 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.

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

## Section 12: Ecological information

### 12.1. Toxicity

[cont...]

# SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 7

## Hazardous ingredients:

### C9-C11 ALCOHOL ETHOXYLATE (6)

DAPHNIA	48H EC50	1-10	mg/l
FISH	96H LC50	1-10	mg/l

### ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE

Daphnia magna	48H EC50	0.016	mg/l
---------------	----------	-------	------

## 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No known adverse effects from normal use

## 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

## 12.5. Results of PBT and vPvB assessment

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

## 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** Not applicable

### 14.2. UN proper shipping name

**Shipping name:** NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

### 14.3. Transport hazard class(es)

**Transport class:** Not applicable (Not+applicable)

### 14.4. Packing group

**Packing group:** Not applicable

[cont...]

## SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 8

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** Not applicable

**Transport category:** Not applicable

**IMDG seg. group:** NOT APPLICABLE

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk:** Not applicable

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Specific regulations:** This product has been classified in accordance with CLP and CHIP regulations and compiled in accordance with Annex II of REACH.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H330: Fatal if inhaled.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H373: May cause damage to organs <or state all organs affected, if known> through

[cont...]



## SAFETY DATA SHEET

DISTEL HIGH LEVEL ENVIRONMENTAL DISINFECTANT (CITRUS)

Page: 9

prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

R20: Harmful by inhalation.

R40: Limited evidence of a carcinogenic effect.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Legend to abbreviations:** PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.