



# OMNICIDE

## MATERIAL SAFETY DATA SHEET

RS Hygiene Limited, The Street Worlington Suffolk IP28 8RX  
Telephone: 0333 123 0202 EMail: tech@rshygiene.uk

### 1.1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY UNDERTAKING

PRODUCT NAME OMNICIDE  
PRODUCT NUMBER 500-200-0600/1

### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified Uses Disinfectant concentrate

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier RS Hygiene Limited, The Street Worlington Suffolk IP28 8RX  
Telephone: 0333 123 0202  
EMail: tech@rshygiene.uk

**1.4 Emergency telephone** 0333 123 0202 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)

### NATIONAL EMERGENCY TELEPHONE NUMBER

In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

## 2. HAZARDS IDENTIFICATION

### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

#### CLASSIFICATION (EC 1272/2008)

#### PHYSICAL HAZARDS

Not Classified

#### HEALTH HAZARDS

Acute Tox. 4 - H302 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335

#### ENVIRONMENTAL HAZARDS CLASSIFICATION (67/548/EEC OR 1999/45/EC)

Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

Xn;R20/22. R42/43. C;R34. Xi;R37.

### 2.2 LABEL ELEMENTS



### SIGNAL WORD HAZARD STATEMENTS

#### DANGER

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H331 Toxic if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

### PRECAUTIONARY STATEMENTS

P280 Wear protective clothing, gloves, eye and face protection.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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### CONTAINS

P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
P501 Dispose of contents/ container in accordance with local regulations  
GLUTARALDEHYDE, QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-18-  
ALKYLDIMETHYL, CHLORIDES

### DETERGENT LABELLING

15 - < 30% disinfectants, < 5% perfumes

### 2.3 OTHER HAZARDS

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### MIXTURES

#### GLUTARALDEHYDE

CAS number: 111-30-8 EC number: 203-856-5  
M factor (Acute) = 1

REACH registration number: 01-211945549-26-XXXX **10-30%**

### CLASSIFICATION

Acute Tox. 3 - H301  
T;R23/25 C;R34 R42/43 N;R50  
Acute Tox. 2 - H330  
Skin Corr. 1B - H314  
Eye Dam. 1 - H318  
Resp. Sens. 1 - H334  
Skin Sens. 1 - H317  
STOT SE 3 - H335  
Aquatic Acute 1 - H400  
Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)

#### QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-18-ALKYLDIMETHYL, CHLORIDES

CAS number: 68391-01-5 EC number: 269-919-4  
M factor (Acute) = 10

**5-10%**

### CLASSIFICATION

Acute Tox. 4 - H302  
Acute Tox. 4 - H312  
Skin Corr. 1B - H314  
Eye Dam. 1 - H318  
Aquatic Acute 1 - H400  
Classification (67/548/EEC or 1999/45/EC)

**CLASSIFICATION (67/548/EEC OR 1999/45/EC)  
C;R34 XN;R21/22 N;R50**

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### INGREDIENT NOTES

Additional information: See section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. DESCRIPTION OF FIRST AID MEASURES

#### GENERAL INFORMATION

For personal protection, see Section 8. Get medical attention immediately. Rinse immediately with plenty of water. First aid personnel should wear appropriate protective equipment during any rescue.

#### INHALATION

Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention if symptoms are severe or persist. Show this Safety Data Sheet to the medical personnel.

#### INGESTION

Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove person to fresh air and keep comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.



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### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

### EYE CONTACT

Get medical attention. Show this Safety Data Sheet to the medical personnel.

### PROTECTION OF FIRST AIDERS

First aid personnel should wear appropriate protective equipment during any rescue

### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

#### GENERAL INFORMATION

Chemical burns must be treated by a physician.

#### INHALATION

The product contains a sensitising substance. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Severe irritation of nose and throat. Vapours may cause headache, fatigue, dizziness and nausea.

#### INGESTION

This product is strongly corrosive. May be harmful if swallowed and enters airways. Small amounts may cause serious damage. Overexposure may cause the following adverse effects: Nausea, vomiting. Diarrhoea. Headache. Drowsiness, dizziness, disorientation, vertigo.

#### SKIN CONTACT

May be harmful in contact with skin. May cause serious chemical burns to the skin.

#### EYE CONTACT

A single exposure may cause the following adverse effects: Severe irritation, burning, tearing and blurred vision. Chemical burns. Corneal damage.

### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes for the doctor When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. EXTINGUISHING MEDIA

#### SUITABLE EXTINGUISHING MEDIA

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Extinguish with foam, carbon dioxide, dry powder or water fog.

### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards None known. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

#### HAZARDOUS COMBUSTION PRODUCTS

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. ADVICE FOR FIREFIGHTERS

#### PROTECTIVE ACTIONS DURING

#### FIREFIGHTING

Control run-off water by containing and keeping it out of sewers and watercourses.

### SPECIAL PROTECTIVE EQUIPMENT

#### FOR FIREFIGHTERS

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### PERSONAL PRECAUTIONS

Ensure procedures and training for emergency decontamination and disposal are in place. No action shall be taken without appropriate training or involving any personal risk. Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary and unprotected personnel away from the spillage. If leakage cannot be stopped, evacuate area. Provide adequate ventilation.

### 6.2. ENVIRONMENTAL PRECAUTIONS

#### ENVIRONMENTAL PRECAUTIONS

Avoid or minimise the creation of any environmental contamination. Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.



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### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

#### METHODS FOR CLEANING UP

Do not touch or walk into spilled material. Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

### 6.4. REFERENCE TO OTHER SECTIONS

#### REFERENCE TO OTHER SECTIONS

See Section 1 for emergency contact information. For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. PRECAUTIONS FOR SAFE HANDLING

#### USAGE PRECAUTIONS

Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid spilling. Avoid contact with skin and eyes. Wear appropriate clothing to prevent any possibility of skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.

### ADVICE ON GENERAL OCCUPATIONAL HYGIENE

Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse.

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from food and drink.

### STORAGE CLASS

#### 7.3. SPECIFIC END USE(S)

#### SPECIFIC END USE(S)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. CONTROL PARAMETERS

#### OCCUPATIONAL EXPOSURE LIMITS

#### GLUTARALDEHYDE

Long-term exposure limit (8-hour TWA): WEL 0.05 ppm Sen 0.2 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 0.05 ppm Sen 0.2 mg/m<sup>3</sup>(Sen)

WEL = Workplace Exposure Limit

#### DNEL

#### GLUTARALDEHYDE (CAS: 111-30-8)

Workers - Inhalation; Long term local effects: 0.25 mg/m<sup>3</sup>

Workers - Inhalation; Short term local effects: 0.5 mg/m<sup>3</sup>

#### PNEC

- Fresh water; 0.0025 mg/l

- Marine water; 0.00025 mg/l

- Intermittent release; 0.006 mg/l

- STP; 0.8 mg/l

- Sediment (Freshwater); 0.527 mg/kg

- Sediment (Marinewater); 0.0527 mg/kg

- Soil; 0.03 mg/kg

#### DNEL

#### 4-TERT-BUTYLCYCLOHEXANOL (CAS: 98-52-2)

Workers - Inhalation; Long term systemic effects: 1.76 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 0.5 mg/kg/day

#### PNEC

- Fresh water; 0.007 mg/l

- Marine water; 0.001 mg/l

- STP; 10 mg/l

- Sediment (Freshwater); 0.138 mg/kg

- Sediment (Marinewater); 0.014 mg/kg

- Soil; 0.024 mg/kg



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### 8.2. EXPOSURE CONTROLS

#### PROTECTIVE EQUIPMENT



#### APPROPRIATE ENGINEERING CONTROLS

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

#### PERSONAL PROTECTION

All PPE must be kept in good condition. Polluted or damaged equipment must be replaced immediately.

#### EYE/FACE PROTECTION

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### HAND PROTECTION

Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material.

#### OTHER SKIN AND BODY PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact. For the greatest protection, clothing should include anti-static overalls, boots and gloves.

#### HYGIENE MEASURES

Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin.

#### RESPIRATORY PROTECTION

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Wear a full facepiece respirator fitted with the following cartridge: Gas filter, type A2.

#### ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

##### COLOUR

Appearance Clear liquid.

##### ODOUR

Amber.

##### ODOUR THRESHOLD

Aromatic. Fruity.

##### PH

<1 ppb Literature data: Glutaraldehyde.

pH (concentrated solution): 5.0



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<b>RELATIVE DENSITY</b>	~ 1.03 @ 20°C
<b>SOLUBILITY(IES)</b>	Soluble in water.
<b>EXPLOSIVE UNDER THE INFLUENCE OF A FLAME</b>	Not considered to be explosive.
<b>COMMENTS</b>	Information given is applicable to the product as supplied.
<b>9.2. OTHER INFORMATION</b>	
<b>OTHER INFORMATION</b>	None.
<b>SECTION 10: STABILITY AND REACTIVITY</b>	
<b>10.1. REACTIVITY</b>	Reactivity Under normal conditions of storage and use, no hazardous reactions will occur.
<b>10.2. CHEMICAL STABILITY</b>	Stability Stable at normal ambient temperatures.
<b>10.3. POSSIBILITY OF HAZARDOUS REACTIONS</b>	Possibility of hazardous reactions The following materials may react with the product: Amines.
<b>10.4. CONDITIONS TO AVOID</b>	heat, flames and other sources of ignition. Does not decompose when used and stored as recommended.
<b>10.5. INCOMPATIBLE MATERIALS</b>	
<b>MATERIALS TO AVOID</b>	Avoid contact with the following materials: Amines. Ammonia solution. Strong acids. Strong alkalis. Strong oxidising agents. Aluminium. Carbon steel. Copper. Iron. Mild steel.
<b>10.6. HAZARDOUS DECOMPOSITION PRODUCTS</b>	
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrous gases (NO <sub>x</sub> ).
<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
<b>11.1. INFORMATION ON TOXICOLOGICAL EFFECTS</b>	
<b>ACUTE TOXICITY - ORAL</b>	
<b>NOTES (ORAL LD50)</b>	Data reference:Parvacide: Acute Oral Toxicity study, 1987. Life Science Research Ltd. Low oral toxicity.
<b>ATE ORAL (MG/KG)</b>	485.11
<b>ACUTE TOXICITY -</b>	dermal
<b>ATE DERMAL (MG/KG)</b>	11,111.11
<b>ACUTE TOXICITY -</b>	inhalation
<b>ATE INHALATION (DUSTS/MISTS MG/L)</b>	0.75
<b>RESPIRATORY SENSITISATION</b>	
<b>RESPIRATORY SENSITISATION</b>	There is evidence that the product can cause respiratory hypersensitivity.
<b>SKIN SENSITISATION</b>	
<b>SKIN SENSITISATION</b>	May cause sensitisation by skin contact.



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### INHALATION

Vapours may irritate throat/respiratory system. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. May cause sensitisation by inhalation.

### INGESTION

Harmful if swallowed. May cause nausea, headache, dizziness and intoxication. May cause burns in mucous membranes, throat, oesophagus and stomach.

### SKIN CONTACT

Causes burns. Harmful in contact with skin. May be absorbed through the skin. May cause sensitisation by skin contact.

### EYE CONTACT

Causes burns. Vapour or spray in the eyes may cause irritation and smarting. A single exposure may cause the following adverse effects: Severe irritation, burning, tearing and blurred vision. Corneal damage.

### ACUTE AND CHRONIC HEALTH HAZARDS

May cause respiratory system irritation.

### TARGET ORGANS

No specific target organs known.

### TOXICOLOGICAL INFORMATION ON INGREDIENTS.

#### GLUTARALDEHYDE

##### ACUTE TOXICITY - ORAL

##### ACUTE TOXICITY ORAL (LD50 MG/KG)

77.0

##### SPECIES

Rat

##### ATE ORAL (MG/KG) 77.0

##### ACUTE TOXICITY - DERMAL

##### ACUTE TOXICITY DERMAL (LD50 MG/KG)

2,001.0

##### SPECIES

Rabbit

##### ATE DERMAL (MG/KG)

2,001.0

##### ACUTE TOXICITY - INHALATION

##### ACUTE TOXICITY INHALATION

##### (LC50 DUST/MIST MG/L)

0.11

##### SPECIES

Rat

##### ATE INHALATION

##### (DUSTS/MISTS MG/L)

0.11

### SECTION 12: ECOLOGICAL INFORMATION

#### ECOTOXICITY

There are no data on the ecotoxicity of this product. The product contains a substance which may have hazardous effects on the environment.

#### 12.1. TOXICITY

### ECOLOGICAL INFORMATION ON INGREDIENTS.

#### GLUTARALDEHYDE

##### ACUTE AQUATIC TOXICITY

##### LE(C)<sub>50</sub>

0.1 < L(E)C<sub>50</sub> ≤ 1

##### M FACTOR (ACUTE)

1

##### ACUTE TOXICITY - FISH

LC<sub>50</sub>, 96 hours: 39 mg/l, Cyprinodon variegatus (Sheepshead minnow)

LC<sub>50</sub>, 96 hours: 9.4 mg/l, Lepomis macrochirus (Bluegill)

##### ACUTE TOXICITY AQUATIC INVERTEBRATES

EC<sub>50</sub>, 48 hours: 5.75 mg/l, Daphnia magna

##### ACUTE TOXICITY - AQUATIC PLANTS

EC<sub>50</sub> 72 hours: 0.6 mg/l, Desmodemus subspicatus



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### QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-18-ALKYLDIMETHYL, CHLORIDES

#### ACUTE AQUATIC TOXICITY

LE(C) <sub>50</sub>	0.01 < L(E)C50 ≤ 0.1
M FACTOR (ACUTE)	10
ACUTE TOXICITY - AQUATIC INVERTEBRATES	EC <sub>50</sub> , 48 hours: 0.016 mg/l, Daphnia magna

#### 12.2. PERSISTENCE AND DEGRADABILITY PERSISTENCE AND DEGRADABILITY

The product is readily biodegradable. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

#### ECOLOGICAL INFORMATION ON INGREDIENTS.

##### GLUTARALDEHYDE

Persistence and degradability  
The substance is readily biodegradable.

### QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-18-ALKYLDIMETHYL, CHLORIDES

**PERSISTENCE AND DEGRADABILITY** The substance is readily biodegradable.

#### 12.3. BIOACCUMULATIVE POTENTIAL

Bioaccumulative potential No data available on bioaccumulation. The product does not contain any substances expected to be bioaccumulating.

#### 12.4. MOBILITY IN SOIL

Mobility The product is water-soluble and may spread in water systems.

#### 12.5. RESULTS OF PBT AND VPVB ASSESSMENT

This product does not contain any substances classified as PBT or vPvB.

#### 12.6. OTHER ADVERSE EFFECTS

Other adverse effects Not known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. WASTE TREATMENT METHODS

##### GENERAL INFORMATION

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not discharge into drains or watercourses or onto the ground.

##### DISPOSAL METHODS

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues and hence be potentially hazardous. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

##### WASTE CLASS

EWC Code: 06 10 02





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### SECTION 14: TRANSPORT INFORMATION

#### 14.1. UN NUMBER

UN NO. (ADR/RID)	1760
UN NO. (IMDG)	1760
UN NO. (ICAO)	1760
UN NO. (ADN)	1760

#### 14.2. UN PROPER SHIPPING NAME

##### PROPER SHIPPING NAME (ADR/RID)

CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE, QUATERNARY AMMONIUM COMPOUNDS)

##### PROPER SHIPPING NAME (IMDG)

CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE, QUATERNARY AMMONIUM COMPOUNDS)

##### PROPER SHIPPING NAME (ICAO)

CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE, QUATERNARY AMMONIUM COMPOUNDS)

##### PROPER SHIPPING NAME (ADN)

CORROSIVE LIQUID, N.O.S. (CONTAINS GLUTARALDEHYDE, QUATERNARY AMMONIUM COMPOUNDS)

#### 14.3. TRANSPORT HAZARD CLASS(ES)

ADR/RID CLASS	8
ADR/RID CLASSIFICATION CODE	C9
ADR/RID LABEL	8
IMDG CLASS	8
ICAO CLASS/DIVISION	8
ADN CLASS	8
TRANSPORT LABELS	



#### 14.4. PACKING GROUP

ADR/RID PACKING GROUP	II
IMDG PACKING GROUP	II
ADN PACKING GROUP	II
ICAO PACKING GROUP	II

#### 14.5. ENVIRONMENTAL HAZARDS

##### ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT



#### 14.6. SPECIAL PRECAUTIONS FOR USER

IMDG CODE SEGREGATION	None
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<b>EMS</b>	F-A, S-B
<b>ADR TRANSPORT CATEGORY</b>	2
<b>EMERGENCY ACTION CODE</b>	2X
<b>HAZARD IDENTIFICATION NUMBER (ADR/RID)</b>	80
<b>TUNNEL RESTRICTION CODE</b>	(E)

**14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE 73/78 AND THE IBC CODE** Not applicable.

### SECTION 15: REGULATORY INFORMATION

#### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE NATIONAL REGULATIONS

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).  
Control of Pollution (Special Waste) Regulations 1980 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
EH40/2005 Workplace exposure limits.  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
The Hazardous Waste Regulations 2005.

#### EU LEGISLATION

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Commission Regulation (EU) No 453/2010 of 20 May 2010.  
Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
CHIP for everyone HSG228.  
ECHA Guidance on the Application of the CLP Criteria.  
ECHA Guidance on the compilation of safety data sheets.  
Technical Guidance WM2: Hazardous Waste.  
Introduction to Local Exhaust Ventilation HS(G)37.

#### GUIDANCE

#### 15.2. CHEMICAL SAFETY ASSESSMENT

This product contains substances for which Chemical Safety Assessments are still required



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### SECTION 16: OTHER INFORMATION ABBREVIATIONS AND ACRONYMS USED IN THE SAFETY DATA SHEET

DNEL: Derived No Effect Level.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
vPvB: Very Persistent and Very Bioaccumulative.  
Only trained personnel should use this material.

### GENERAL INFORMATION KEY LITERATURE REFERENCES AND SOURCES FOR DATA

The active ingredient with the CAS no. 63449-41-2 is also notified with CAS no. 61789-71-7, 68391-01-5, 8001-54-5 and 68424-85-1. CAS no, 68424-85-1 is listed in Annex II to the Directive 2003/2032/EC.

### REVISION DATE REVISION SUPERSEDES DATE SDS NUMBER RISK PHRASES IN FULL

01/06/2017  
13  
21/10/2016  
10110  
R20/22 Harmful by inhalation and if swallowed.  
R23/25 Toxic by inhalation and if swallowed.  
R34 Causes burns.  
R37 Irritating to respiratory system.  
R42/43 May cause sensitisation by inhalation and skin contact.  
R50 Very toxic to aquatic organisms.

### HAZARD STATEMENTS IN FULL

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H330 Fatal if inhaled.  
H331 Toxic if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.