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SAFETY DATA SHEET
OMNICIDE H

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name OMNICIDE H

Product number OMNICIDE H

Container size 5L, 25L, 200L

UFI UFI: WVP0-Y666-WT7D-RV8S

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

Identified uses Disinfectant concentrate.

Uses advised against Not for Oral Consumption. Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier

MIRIUS ™
A Coventry Group Company
Coventry Chemicals Limited, Woodhams Road, Siskin Drive, Coventry, England, CV3 4FX

Coventry Chemicals (Ireland) Limited, 4th Floor 8-34 Percy Place, Dublin, D04 P5K3, Ireland.
+44 (0)2476639739
www.mirius.com
info@mirius.com

Contact person For content of safety data sheet:, sds@coventrychemicals.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)

National emergency telephone number UK:
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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

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 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

2.2. Label elements

OMNICIDE H

Hazard pictograms

Signal word	Danger
Hazard statements	H302 Harmful if swallowed. H331 Toxic if inhaled. H314 Causes severe skin burns and eye damage. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P260 Do not breathe gas, fume, vapours or spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/ container in accordance with local regulations.
Contains	GLUTARALDEHYDE, QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-18-ALKYLDIMETHYL, CHLORIDES
Biocide Labelling	Contains active substance: Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)), CAS 68391-01-5 - 10g/100g
Detergent labelling	15 - < 30% disinfectants, < 5% perfumes
Supplementary precautionary statements	P405 Store locked up.

2.3. Other hazards

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

OMNICIDE H

SECTION 3: Composition/information on ingredients

3.2. Mixtures

GLUTARALDEHYDE **10-30%**

CAS number: 111-30-8 EC number: 203-856-5

M factor (Acute) = 1

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 3 - H301 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	T;R23/25 C;R34 R42/43 N;R50

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-18-ALKYLDIMETHYL, CHLORIDES **10-30%**

CAS number: 68391-01-5 EC number: 269-919-4

M factor (Acute) = 10

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

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.

OMNICIDE H

Eye contact Remove affected person from source of contamination. Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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 The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Chemical burns must be treated by a physician. Get medical attention immediately.

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. Intoxication.

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

OMNICIDE H

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.

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 Corrosive storage.

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 0.2 mg/m³
Short-term exposure limit (15-minute): WEL 0.05 ppm 0.2 mg/m³
Sen

WEL = Workplace Exposure Limit.
Sen = Capable of causing occupational asthma.

GLUTARALDEHYDE (CAS: 111-30-8)

DNEL

Workers - Inhalation; Long term local effects: 0.21 mg/m³
Workers - Inhalation; Short term local effects: 0.42 mg/m³
Workers - Dermal; Long term systemic effects: 6.25 mg/kg/day

OMNICIDE H

PNEC	- Fresh water; 0.003 mg/l - marine water; 0.00025 mg/l - Intermittent release; 0.006 mg/l - STP; 0.8 mg/l - Sediment (Freshwater); 0.091 mg/kg - Sediment (Marinewater); 0.009 mg/kg - Soil; 0.18 mg/kg

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

DNEL	Workers - Inhalation; Long term systemic effects: 1.76 mg/m³ 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

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 that provides appropriate eye and face protection should be worn.
Hand protection	Wear protective gloves. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. 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/manufacturer, 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.

OMNICIDE H

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

Appearance	Clear liquid.
Colour	Amber.
Odour	Aromatic. Fruity.
Odour threshold	<1 ppb Literature data: Glutaraldehyde.
pH	pH (concentrated solution): 5.0
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	~ 1.03 @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	Glutaraldehyde., log Pow: -0.36
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	There are no chemical groups present in the product that are associated with explosive properties.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information	Surface Tension 35 mN/m @ 25°C

SECTION 10: Stability and reactivity

10.1. Reactivity

OMNICIDE H

Reactivity Under normal conditions of storage and use, no hazardous reactions will occur.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The following materials may react with the product: Amines.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Does not decompose when used and stored as recommended.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Amines. Ammonia solution. Strong acids. Strong alkalis. Strong oxidising agents. Aluminium. Carbon steel. Copper. Iron. Mild steel.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO_2). Nitrous gases (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Other health effects There is no evidence that the product can cause cancer.

Acute toxicity - oral

Notes (oral LD_{50}) Harmful if swallowed. Calculation method.

ATE oral (mg/kg) 451.52

Acute toxicity - dermal

Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Toxic if inhaled. Calculation method.

ATE inhalation (dusts/mists mg/l) 0.73

Skin corrosion/irritation

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed.

Respiratory sensitisation

Respiratory sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitisation

Skin sensitisation May cause sensitisation by skin contact. May cause an allergic skin reaction.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

OMNICIDE H

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met. Does not contain any substances known to be toxic to reproduction.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Toxic if inhaled

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.

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

11.2.2 Other information None known

Toxicological information on ingredients.

GLUTARALDEHYDE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 77.0

Species Rat

ATE oral (mg/kg) 77.0

Acute toxicity - dermal

OMNICIDE H

Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rabbit
ATE dermal (mg/kg)	2,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l)	0.11
Species	Rat
ATE inhalation (dusts/mists mg/l)	0.11

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

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	375.0
Species	Rat
Notes (oral LD_{50})	Supplier's information. Harmful if swallowed.
ATE oral (mg/kg)	375.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	3,412.0
Species	Rat
Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	3,412.0

Skin corrosion/irritation

Skin corrosion/irritation	Causes severe skin burns and eye damage.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Ingestion	This product is corrosive. Harmful if swallowed. May cause burns in mucous membranes, throat, oesophagus and stomach.
Eye contact	This product is corrosive. May cause chemical eye burns.

SECTION 12: Ecological information

OMNICIDE H

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

Toxicity The product contains a substance which is harmful to aquatic organisms.

Ecological information on ingredients.

GLUTARALDEHYDE

Acute aquatic toxicity

LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 10 mg/l, Oncorhynchus mykiss (Rainbow trout) REACH dossier information.
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 14.87 mg/l, Daphnia magna REACH dossier information.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, 97 days: 1.6 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 5 mg/l, Daphnia magna REACH dossier information.

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

Acute aquatic toxicity

LE(C)$_{50}$	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC_{80}, : 0.515 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 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 The Detergents Regulations (as amended).

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

OMNICIDE H

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

Partition coefficient Glutaraldehyde., log Pow: -0.36

Ecological information on ingredients.

GLUTARALDEHYDE

Bioaccumulative potential REACH dossier information. The product is not bioaccumulating.

Partition coefficient REACH dossier information. log Pow: -0.36

12.4. Mobility in soil

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

Ecological information on ingredients.

GLUTARALDEHYDE

Henry's law constant REACH dossier information. 0.011 Pa m³/mol @ 25°C

Surface tension REACH dossier information. ~ 68 mN/m @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

Ecological information on ingredients.

GLUTARALDEHYDE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

GLUTARALDEHYDE

Other adverse effects Not available.

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.

OMNICIDE H

Waste class EWC Code: 06 10 02

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. (User to define)

Proper shipping name (IMDG) CORROSIVE LIQUID, N.O.S. (User to define)

Proper shipping name (ICAO) CORROSIVE LIQUID, N.O.S. (User to define)

Proper shipping name (ADN) CORROSIVE LIQUID, N.O.S. (User to define)

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

ICAO packing group II

ADN packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 2

Emergency Action Code 2X

OMNICIDE H

Hazard Identification Number (ADR/RID) 80

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 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 Hazardous Waste Regulations 2005.
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).
The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended).
The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended).
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EU legislation

European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended)
European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
European Regulation (EC) No 648/2004 on detergents (as amended).
European Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products (BPR) as amended.
Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006.

Guidance

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.

15.2. Chemical safety assessment

OMNICIDE H

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

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.

General information

Only trained personnel should use this material.

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 comments

Review of SDS with no change of classification.

Revision date

13/05/2025

Revision

2

Supersedes date

18/12/2019

SDS number

22179

Hazard statements in full

H301 Toxic if swallowed.
H302 Harmful if swallowed.
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.