

## SAFETY DATA SHEET

# Nozzle Guard

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

*Trade name:* Nozzle Guard

*Product no.:* ix-shipfluid

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

*Relevant identified uses of the substance or mixture:* Printing inks, Preservation agent  
Restricted to professional users.

*Uses advised against :* None known.

#### 1.3. Details of the supplier of the safety data sheet

*Company and address:* **INKCUPS CORP.**  
310 ANDOVER ST.  
DANVERS, MA 01923

USA  
978-646-8980

*E-mail:* compliance@inkcups.com

*Revision:* 17/10/2025

*SDS Version:* 1.0

#### 1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

### SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### 2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

Skin Sens. 1; H317, May cause an allergic skin reaction.

Eye Irrit. 2; H319, Causes serious eye irritation.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

## 2.2. Label elements

*Hazard pictogram(s):*



*Signal word:*

Warning

*Hazard statement(s):*

Causes skin irritation. (H315)  
May cause an allergic skin reaction. (H317)  
Causes serious eye irritation. (H319)  
Very toxic to aquatic life with long lasting effects. (H410)

*Precautionary statement(s):*

*General:*

Not applicable.

*Prevention:*

Avoid breathing mist/vapour/dust/fume/gas/spray. (P261)  
Wash hands thoroughly after handling. (P264)  
Contaminated work clothing should not be allowed out of the workplace. (P272)  
Wear face protection/protective gloves/eye protection. (P280)  
Avoid release to the environment. (P273)

*Response:*

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
If eye irritation persists: Get medical advice/attention. (P337+P313)  
IF ON SKIN: Wash with plenty of water and soap. (P302+P352)  
If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)  
Take off contaminated clothing and wash it before reuse. (P362+P364)  
Collect spillage. (P391)

*Storage:*

Not applicable.

*Disposal:*

Dispose of contents/container in accordance with local regulation.  
/ in accordance with regional regulation.  
/ in accordance with national regulation.  
/ in accordance with international regulation. (P501)

*Hazardous substances:*

hexane-1,6-diol diacrylate  
Neopentyl glycol propoxylate diacrylate

*Additional labelling:*

## 2.3. Other hazards

*Additional warnings:*

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
hexane-1,6-diol diacrylate	CAS No.: 13048-33-4 EC No.: 235-921-9 UK-REACH: Index No.: 607-109-00-8	40-60%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	
Neopentyl glycol propoxylate diacrylate	CAS No.: 84170-74-1 EC No.: 617-546-6 UK-REACH: Index No.:	40-60%	Skin Sens. 1B, H317 Aquatic Chronic 2, H411	
cyclohexane	CAS No.: 110-82-7 EC No.: 203-806-2 UK-REACH: Index No.: 601-017-00-1	<0.05%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1], [3]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

[1] European occupational exposure limit.

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

*General information:*

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

*Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

*Skin contact:*

IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.

*Eye contact:*

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

*Ingestion:*

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:*

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

If eye irritation persists: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: FIREFIGHTING MEASURES

**5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:  
Carbon oxides (CO / CO<sub>2</sub>)

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in

order to obtain further advice.  
Hazchem Code: ●3Z

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Avoid direct contact with spilled substances.  
Ensure adequate ventilation, especially in confined areas.  
Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.  
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.  
Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

*Recommended storage material:* Keep only in original packaging.

*Storage conditions:* 5 - 30°C  
Dry, cool and well ventilated  
Protect from sunlight.

*Incompatible materials:* Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

cyclohexane

Long term exposure limit (8 hours) (ppm): 100

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 350

Short term exposure limit (15 minutes) (ppm): 300

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1050

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

## DNEL

cyclohexane

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1186 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2016 mg/kg bw/day
Long term – Local effects - General population	Inhalation	206 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	700 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	206 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	700 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	412 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	1400 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	412 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	1400 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	59.4 mg/kg bw/day

hexane-1,6-diol diacrylate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.66 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2.77 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	7.2 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	24.5 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	2.1 mg/kg bw/day

Neopentyl glycol propoxylate diacrylate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	46.7 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	32.9 mg/m <sup>3</sup>

## PNEC

cyclohexane

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		44.7 µg/L
Freshwater sediment		3.6 mg/kg

Intermittent release (freshwater)		9 µg/L
Intermittent release (marine water)		900 ng/L
Marine water		4.47 µg/L
Marine water sediment		360 µg/kg
Sewage treatment plant		3.24 mg/L
Soil		694 µg/kg

## hexane-1,6-diol diacrylate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		7.23 µg/L
Freshwater sediment		493 µg/kg
Marine water		723 ng/L
Marine water sediment		49.3 µg/kg
Sewage treatment plant		2.7 mg/L
Soil		94 µg/kg

## Neopentyl glycol propoxylate diacrylate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		2.7 µg/L
Freshwater sediment		63.8 µg/kg
Intermittent release (freshwater)		27 µg/L
Marine water		270 ng/L
Marine water sediment		6.4 µg/kg
Sewage treatment plant		100 µg/L
Soil		11.2 µg/kg

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### *General recommendations:*

Smoking, drinking and consumption of food is not allowed in the work area.

### *Exposure scenarios:*

There are no exposure scenarios implemented for this product.

### *Exposure limits:*

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### *Appropriate technical measures:*

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

*Hygiene measures:* Take off contaminated clothing and wash it before reuse.

*Measures to avoid environmental exposure:* Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment


*Generally:* Use only UKCA marked protective equipment.

### Respiratory Equipment:


Type	Class	Colour	Standards	
Respiratory protection is not needed in the event of adequate ventilation.				

*Skin protection:*  
No specific requirements.

### Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation				

### Eye protection:

Type	Standards	
In the likelihood of direct or incidental exposure, use face protection.	EN166	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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



<i>Physical state:</i>	Liquid
<i>Colour:</i>	Yellowish
<i>Odour / Odour threshold:</i>	Characteristic
<i>pH:</i>	No data available.
<i>Density (g/cm<sup>3</sup>):</i>	No data available.
<i>Kinematic viscosity:</i>	No data available.
<i>Particle characteristics:</i>	No data available

## Phase changes

<i>Melting point/Freezing point (°C):</i>	No data available.
<i>Softening point/range (°C):</i>	Does not apply to liquids.
<i>Boiling point (°C):</i>	No data available.
<i>Vapour pressure:</i>	No data available.
<i>Relative vapour density:</i>	No data available.
<i>Decomposition temperature (°C):</i>	No data available.

## Data on fire and explosion hazards

<i>Flash point (°C):</i>	No data available.
<i>Flammability (°C):</i>	No data available.
<i>Auto-ignition temperature (°C):</i>	No data available.
<i>Lower and upper explosion limit (% v/v):</i>	No data available.

## Solubility

<i>Solubility in water:</i>	No data available.
<i>n-octanol/water coefficient (LogKow):</i>	No data available.
<i>Solubility in fat (g/L):</i>	No data available.

## 9.2. Other information

<i>Oxidizing properties:</i>	No data available.
<i>Other physical and chemical parameters:</i>	No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

## 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

#### Acute toxicity

Product/substance	hexane-1,6-diol diacrylate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

Product/substance	hexane-1,6-diol diacrylate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	3650 mg/kg

Based on available data for the mixture, the classification criteria are not met.

#### Skin corrosion/irritation

Product/substance	hexane-1,6-diol diacrylate
Result:	Adverse effect observed (Irritating)

Causes skin irritation.

#### Serious eye damage/irritation

Product/substance	hexane-1,6-diol diacrylate
Result:	Adverse effect observed (Highly irritating)

Causes serious eye irritation.

#### Respiratory sensitisation

Based on available data for the mixture, the classification criteria are not met.

#### Skin sensitisation

Product/substance	hexane-1,6-diol diacrylate
Result:	Adverse effect observed (sensitising)

May cause an allergic skin reaction.

#### Germ cell mutagenicity

Based on available data for the mixture, the classification criteria are not met.

#### Carcinogenicity

Based on available data for the mixture, the classification criteria are not met.

#### Reproductive toxicity

Based on available data for the mixture, the classification criteria are not met.

## STOT-single exposure

Based on available data for the mixture, the classification criteria are not met.

## STOT-repeated exposure

Based on available data for the mixture, the classification criteria are not met.

## Aspiration hazard

Based on available data for the mixture, the classification criteria are not met.

## 11.2. Information on other hazards

### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

### Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

### Other information

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Product/substance	hexane-1,6-diol diacrylate
Species:	Fish, <i>Oryzias latipes</i>
Duration:	96 hours
Test:	LC50
Result:	0.38 mg/L

Product/substance	hexane-1,6-diol diacrylate
Species:	Crustacean, <i>Daphnia magna</i>
Duration:	48 hours
Test:	EC50
Result:	2.7 mg/L

Very toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Product/substance	hexane-1,6-diol diacrylate
Conclusion:	Readily biodegradable

### 12.3. Bioaccumulative potential

Product/substance	hexane-1,6-diol diacrylate
LogKow:	2.81 @ 25C
Conclusion:	-

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

## 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

## 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

HP 13 - Sensitising

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### EWC code

Not applicable.



### Specific labelling

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
ADR	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hexane-1,6-diol diacrylate)	Transport hazard class: 9 Label: 9 Classification code: M6 	III	Yes	Limited quantitie s: 5 L Tunnel restrictio n code: (-) See below for additiona l informati on.
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hexane-1,6-diol diacrylate)	Transport hazard class: 9 Label: 9 Classification code: M6	III	Yes	Limited quantitie s: 5 L EmS: F-A

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
						S-F See below for additional information.
IATA	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hexane-1,6-diol diacrylate)	Transport hazard class: 9 Label: 9 Classification code: M6 	III	Yes	See below for additional information.

\* Packing group

\*\* Environmental hazards

## Additional information

This product is within scope of the regulations of transport of dangerous goods. These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 - 4.1.1.8 (ADR, IMDG) / 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA).

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ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport. IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

Hazchem Code: ●3Z

## 14.6. Special precautions for user

Not applicable.

## 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: REGULATORY INFORMATION

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

*Restrictions for application:*

Restricted to professional users.

	People under the age of 18 shall not be exposed to this product.
<i>Demands for specific education:</i>	No specific requirements.
<i>Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:</i>	E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes
<i>UK-REACH, Annex XVII:</i>	cyclohexane is subject to restrictions, UK-REACH annex XVII (entry 57). cyclohexane is subject to UK-REACH restrictions (entry 40).
<i>Additional information:</i>	Not applicable.
<i>Sources:</i>	The Management of Health and Safety at Work Regulations 1999. Control of Major Accident Hazards (COMAH) Regulations 2015. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

## 15.2. Chemical safety assessment

No

## SECTION 16: OTHER INFORMATION

### Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.  
H304, May be fatal if swallowed and enters airways.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H319, Causes serious eye irritation.  
H336, May cause drowsiness or dizziness.  
H400, Very toxic to aquatic life.  
H410, Very toxic to aquatic life with long lasting effects.  
H411, Toxic to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 CSA = Chemical Safety Assessment  
 CSR = Chemical Safety Report  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EINECS = European Inventory of Existing Commercial chemical Substances  
 ES = Exposure Scenario  
 EUH statement = CLP-specific Hazard statement  
 EuPCS = European Product Categorisation System  
 EWC = European Waste Catalogue  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP = Global warming potential  
 IARC = International Agency for Research on Cancer (IARC)  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 OECD = Organisation for Economic Co-operation and Development  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 RRN = REACH Registration Number  
 SCL = A specific concentration limit  
 SVHC = Substances of Very High Concern  
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
 STOT-SE = Specific Target Organ Toxicity - Single Exposure  
 TWA = Time weighted average  
 UN = United Nations  
 UVBC = Unknown or variable composition, complex reaction products or of biological materials  
 VOC = Volatile Organic Compound  
 vPvB = Very Persistent and Very Bioaccumulative

## Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

## The safety data sheet is validated by

Compliance Department

## Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.  
It is recommended to hand over this safety data sheet to the actual user of the product.  
Information in this safety data sheet cannot be used as a product specification.  
Country-language: GB-en