SAFETY DATA SHEET

Hypochlor Des

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

1.1. Product identifier

Trade name	Hypochlor Des
Product no.	12330, 12331. 12332, 12333, 12518, 15549
Unique formula identifier (UFI)	7WV1-M0RH-H00A-MGW2

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

Relevant identified uses of the substance or mixture	Chlorine containing disinfectant. Restricted to professional users.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company and address	**Novadan ApS** Platinvej 21 DK-6000 Kolding Denmark
E-mail	sds@novadan.dk
Revision	05/12/2024
SDS Version	3.0
Date of previous version	17/10/2023 (2.0)

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 112 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

2.1. Classification of the substance or mixture

Met. Corr. 1; H290, May be corrosive to metals.
Skin Corr. 1B; H314, Causes severe skin burns and eye damage.
Eye Dam. 1; H318, Causes serious eye damage.
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

For professional users only.
Read attached instructions before use.

Hazard pictogram(s)



Signal word	Danger
Hazard statement(s)	May be corrosive to metals. (H290) Causes severe skin burns and eye damage. (H314) Very toxic to aquatic life with long lasting effects. (H410)
Precautionary statement(s)	
General	-

Prevention	Avoid release to the environment. (P273) Wear eye protection/protective gloves/protective clothing. (P280)
▼Response	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) Immediately call a POISON CENTER/doctor. (P310)
Storage	-
Disposal	-
Hazardous substances	Sodium hypochlorite Sodium hydroxide
Additional labelling	EUH031, Contact with acids liberates toxic gas. Active substance(s): Sodium hypochlorite (9.4 g/100g) UFI: 7WV1-M0RH-H00A-MGW2
▼Labelling of contents according to Detergents Regulation (EC) No 648/2004	5% - 15% · Chlorine-based bleaching Agents < 5% · Phosphonates

2.3. Other hazards

Do not mix with acid or acid containing products: toxic chlorine gas may be formed.

▼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
Sodium hypochlorite	CAS No.: 7681-52-9 EC No.: 231-668-3 UK-REACH: Index No.: 017-011-00-1	9,4%	EUH031 Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	
Sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5 UK-REACH: Index No.:	1-3%	Met. Corr. 1, H290 Skin Corr. 1A, H314 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Irrit. 2, H319 (SCL: 0.50 %)	

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

Other information

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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	IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing. If symptoms: Call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.
Skin contact	IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.
Eye contact	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.
Ingestion	IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.
Burns	Not applicable.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid
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:
Oxygen, hypochlorous acid, chlorine.

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.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
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.
Avoid direct contact with the product.
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.
Store in a container with a resistant inner liner.

Shelf-life: 12 months.

Recommended storage material	Always store in containers of the same material as the original container.
Storage conditions	-15 - 25 °C
Incompatible materials	Strong acids, alkali metals, metal powders, oxidizing materials and amines. Contact with metals can result in decomposition with the formation of oxygen.

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

Sodium hydroxide
Short term exposure limit (15 minutes) (mg/m³): 2

Chlorine
Short term exposure limit (15 minutes) (ppm): 0,5
Short term exposure limit (15 minutes) (mg/m³): 1,5

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

Sodium hydroxide

Duration:	Route of exposure:	DNEL:
Short term – Local effects - General population	Dermal	2 %
Long term – Local effects - General population	Inhalation	1 mg/m³
Long term – Local effects - Workers	Inhalation	1 mg/m³

Sodium hypochlorite

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	1.55 mg/m³
Long term – Local effects - Workers	Inhalation	1.55 mg/m³
Long term – Systemic effects - General population	Inhalation	1.55 mg/m³
Long term – Systemic effects - Workers	Inhalation	1.55 mg/m³
Short term – Local effects - General population	Inhalation	3.1 mg/m³
Short term – Local effects - Workers	Inhalation	3.1 mg/m³
Short term – Systemic effects - General population	Inhalation	3.1 mg/m³
Short term – Systemic effects - Workers	Inhalation	3.1 mg/m³

Long term – Systemic effects - General population	Oral	260 µg/kg bw/day

PNEC

Sodium hypochlorite

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		210 ng/L
Intermittent release (freshwater)		260 ng/L
Marine water		42 ng/L
Predators		11.1 mg/kg
Sewage treatment plant		4.69 mg/L

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. Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours.
▼Hygiene measures	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
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	
In case of inadequate ventilation use suitable respirator - B/P2			EN143/EN149	

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Use protective gloves made of: Butyl rubber. ≥ 0,4 mm Neoprene. ≥ 0,5 mm Nitrile. ≥ 0,7 mm EN 374.	≥ 0,4 - 0,7	≥ 480	EN374	

Eye protection

Type	Standards	
Safety glasses	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Yellowish
Odour / Odour threshold	Chlorine
pH	~ 12,5
pH in solution	~ 11,5 (3,1%)
Density (g/cm³)	1,15
Kinematic viscosity	< 50 mPa.s
Particle characteristics	Does not apply to liquids.

Phase changes

▼Melting point/Freezing point (°C)	No relevant or available data due to the nature of the product.
Softening point/range (°C)	Does not apply to liquids.
▼Boiling point (°C)	No relevant or available data due to the nature of the product.
▼Vapour pressure	No relevant or available data due to the nature of the product.
▼Relative vapour density	No relevant or available data due to the nature of the product.
▼Decomposition temperature (°C)	No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

▼Flash point (°C)	No relevant or available data due to the nature of the product.
▼Flammability (°C)	No relevant or available data due to the nature of the product.
▼Auto-ignition temperature (°C)	No relevant or available data due to the nature of the product.
▼Lower and upper explosion limit (% v/v)	No relevant or available data due to the nature of the product.

Solubility

Solubility in water	Completely soluble
▼n-octanol/water coefficient (LogKow)	No relevant or available data due to the nature of the product.
▼Solubility in fat (g/L)	No relevant or available data due to the nature of the product.

9.2. Other information

VOC (g/L)	0
Other physical and chemical parameters	No data available.
▼Oxidizing properties	Does not meet the criteria for oxidising.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Contact with acids liberates toxic gas.
Reacts violently with alkali metals, metal powders, oxidizing materials and amines.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Protect from sunlight. Do no expose to temperatures exceeding 20 °C/68 °F.

10.5. Incompatible materials

Strong acids, alkali metals, metal powders, oxidizing materials and amines. Contact with metals can result in

decomposition with the formation of oxygen.

10.6. Hazardous decomposition products

Oxygen, hypochlorous acid, chlorine.
Thermal decomposition may produce corrosive vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	Sodium hypochlorite
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1100 mg/kg
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	> 10,5 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Test method:	OECD 402
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	> 20000 mg/kg
Other information:	Source: ECHA

▼Skin corrosion/irritation

Product/substance	Sodium hypochlorite
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Corrosive)
Other information:	Source: ECHA

Product/substance	Sodium hydroxide
Duration:	No data available.
Result:	Adverse effect observed (Corrosive)
Other information:	Source: ECHA

Causes severe skin burns and eye damage.

▼Serious eye damage/irritation

Product/substance	Sodium hypochlorite
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Irritating)
Other information:	Source: ECHA

Product/substance	Sodium hydroxide
Duration:	No data available.
Result:	Adverse effect observed (Irritating)
Other information:	Source: ECHA

Causes serious eye damage.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

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

Reproductive toxicity
Based on available data, the classification criteria are not met.

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

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

Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects
Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

▼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	Sodium hypochlorite
Species:	Fish, Oncorhynchus mykiss
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	0,06 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Species:	Fish, Oncorhynchus kisutch
Compartment:	Marine water
Duration:	96 hours
Test:	LC50
Result:	0,032 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Species:	Fish, Menidia peninsulae
Duration:	28 days
Test:	NOEC
Result:	0,04 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Species:	Algae
Duration:	7 days
Test:	NOEC
Result:	0,0021 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Test method:	OECD 202
Species:	Crustacean, Daphnia magna

Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	0,141 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Test method:	OECD 202
Species:	Crustacean, Ceriodaphnia dubia
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	0,035 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hypochlorite
Test method:	NOEC
Species:	Crustacean, Crassostrea virginica
Compartment:	Marine water
Duration:	15 days
Test:	NOEC
Result:	0,007 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hydroxide
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	35 - 189 mg/L
Other information:	Source: ECHA

Product/substance	Sodium hydroxide
Species:	Crustacean, Ceriodaphnia dubia
Duration:	48 hours
Test:	EC50
Result:	40,4 mg/L
Other information:	Source: ECHA

Toxic to aquatic life with long lasting effects.

Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability
The product solely consists of inorganic compounds which are not biodegradable.

12.3. Bioaccumulative potential
The product is not bioaccumulating

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

13.1. ▼Waste treatment methods
Product is covered by the regulations on hazardous waste. (*)
HP 8 – Corrosive
HP 12 – Release of an acute toxic gas
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.
Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.
Dispose of waste and residues in accordance with local authority requirements.

▼EWC code	07 06 01*	Aqueous washing liquids and mother liquors

▼Contaminated packing

▼EWC code	15 01 10*	Packaging containing residues of or contaminated by dangerous substances

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 information:
ADR	UN1719	CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hypochlorite, Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	III	Yes	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1719	CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hypochlorite, Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	III	Yes	Limited quantities: 5 L EmS: F-A S-B See below for additional information.
IATA	UN1719	CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hypochlorite, Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	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.
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.

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.
Demands for specific education	No specific requirements.
SEVESO - Categories / dangerous substances	E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes Chlorine
Biocidal Products Regulations	Product type: PT4 - Food and feed area, PT2 - Disinfectants and algaecides not intended for direct application to humans or animals
Restrictions on use	-
Directions for use and dose rate	-
Additional information	-
Labelling of contents according to Detergents Regulation (EC) No 648/2004	5% - 15% · Chlorine-based bleaching Agents < 5% · Phosphonates
Additional information	Not applicable.
Sources	The Management of Health and Safety at Work Regulations 1999. Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Control of Major Accident Hazards (COMAH) Regulations 2015. In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law. 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

EUH031, Contact with acids liberates toxic gas.
H290, May be corrosive to metals.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H400, Very toxic to aquatic life.
H410, Very 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

MP

▼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