

SAFETY DATA SHEET

gemäß 1907/2006/EG, Artikel 31

HSM Special lubricating oil for document shredders

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

1.1 Product identifier

Trade name:
N°

HSM Special lubricating oil / Weißöl
1235997403
1235997104



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

No further relevant information available.

Application of the substance / the mixture Cutting oil

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier

telephone
telefax
e-mail
website

HSM GmbH + Co.KG
Austraße 1-9
D-88699 FRICKINGEN
Deutschland
+49 7554 2100-0
+49 7554 2100-160
info@hsm.eu
www.hsm.eu

1.4 Emergency telephone number

+49 7554 / 2100 - 0

SECTION 2 : Hazards identification

2.1 Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008	Void
Hazard pictograms	Void
Signal word	Void
Hazard statements	Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: This substance is neither persistent, bioaccumulative nor toxic (PBT).

vPvB: Not applicable.

SECTION 3 : Composition/information on ingredients

3.1 Chemical characterisation: Preparation

Description:

Mixture of mineral oil and harmless additives.

Not classified as a dangerous preparation according to Directive 1272/2008/EC (GHS).

Dangerous components:		
CAS: 72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	50-<100%
EINECS: 276-738-4		

Additional information:

The mineral oils in this product contain < 3% DMSO extract (IP346).

For the wording of the listed hazard phrases refer to section 16.

SECTION 4 : First aid measures

4.1 Description of first aid measures

General information:

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

Personal protection for the First Aider.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Generally the product does not irritate the skin.

Wash contaminated skin with water and soap and rinse thoroughly. Remove contaminated clothing. Get medical attention if symptoms occur.

After eye contact:

Rinse opened eye for several minutes under running water. Remove contact lenses, continue rinsing. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 : Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture

Formation of toxic/irritant gases is possible during heating or in case of fire.

Products of decomposition see chapter 10.

5.3 Advice for firefighters

suitable fire suppressants: carbon dioxide (CO₂), foam, water, dry chemical

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

Keep away from open flames, hot surfaces and sources of ignition.

Avoid contact with skin and eyes.

Do not inhale vapours and aerosols.

Close leakage without taking personal risks.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

In case of seepage into the ground inform responsible authorities.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7 : Handling and storage

7.1 Precautions for safe handling

Prevent longer or repeated contact with skin.

Prevent contact with eyes.

Keep receptacles tightly sealed.

Prevent formation of aerosols.

Keep away from sources of ignition - No smoking.

Particular danger of slipping on leaked/spilled product.

Keep away from food, drink and animal feeding stuffs.

Wash hands before breaks and at end of work

Do not eat, drink or smoke while working.

Information about fire - and explosion protection:

Keep away ignition sources - Do not smoke.

Do not spray onto a naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and receptacles:**

Provide solvent resistant, sealed floor.

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from food, beverage and feedingstuff.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class: 10 - flammable liquid, flashpoint >60°C

7.3 Specific end use(s) No further relevant information available.**SECTION 8 : Exposure controls/personal protection****8.1 Control parameters****Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:**

TWA: 5 mg/m³ (oil mist)

Additional information: The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see item 7.

General protective and hygienic measures:

Do not eat or drink while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device only when aerosol or mist is formed.

Filter A/P2

Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Use solvent/hydrocarbon resistant gloves. Suitable are gloves from: nitrile rubber (thickness >0,38 mm, breakthrough time > 480 min), fluorocarbon rubber (thickness >0,38 mm, breakthrough time > 480 min). The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.



Eye/face protection

Safety glasses with side protection (EN 166).

Body protection: Protective work clothing (EN 14605)

SECTION 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Colour:	Yellowish
Odour:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range	> 200 °C
Flammability	Not applicable.
Flash point:	> 180 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
Solubility	
water:	Not miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Density and/or relative density	
Density at 20 °C:	0.85 g/cm ³

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Softening point/range	
Oxidising properties	Non oxidising.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void

Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10 : Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable under normal conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Heat, flames and sparks.
Keep away from strong oxidizing agents.

10.5 Incompatible materials:

strong oxidants

10.6 Hazardous decomposition products:

In case of fire:
CO₂, CO, NO_x, SO_x
Under certain conditions of fire, other toxic/irritant substances may form.

SECTION 11 : Toxicological information

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

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

LD/LC50 values relevant for classification:		
Oral	LD50	>5.000 mg/kg (rat)
Dermal	LD50	>5.000 mg/kg (rabbit)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or 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.

Other information (about experimental toxicology):

Eye contact: Slight irritation possible, but not relevant to classification.

Inhalation: Inhalation of oil mist can provoke irritations, head ache, nausea and dyspnoea.

11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12 : Ecological information

12.1 Toxicity

Aquatic toxicity:	
LC50	>1.000 mg/l (fisch) (96 h)
EC50	>1.000 mg/kg (Daphnia magna) (48 h)
IC50	>1.000 mg/l (Algen) (72 h)

12.2 Persistence and degradability biodegradable

12.3 Bioaccumulative potential Product is not bioaccumulative.

12.4 Mobility in soil After release, adsorbs onto soil.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects Does not get into sewage at intended use.

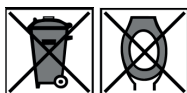
Other information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13 : Disposal considerations

13.1 Waste treatment methods Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14 : Transport information

14.1 UN-number or ID number

ADR, ADN, IMDG, IATA

not regulated

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

not regulated

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class

not regulated

14.4 Packing group

ADR, IMDG, IATA

not regulated

14.5 Environmental hazards:

not regulated

14.6 Special precautions for user

not regulated

14.7 Maritime transport in bulk according to IMO instruments

not regulated

Transport/Additional information:

IMDG

Limited quantities (LQ)

no any

UN "Model Regulation":

not regulated

SECTION 15 : Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

void

Signal word

void

Hazard statements

void

void

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

15.1 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16 : Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the

International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

SAFETY DATA SHEET

gemäß 1907/2006/EG, Artikel 31

HSM Special lubricating oil / White oil

for document shredders



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

1.1 Product identifier

Product name:	HSM Special lubricating oil for cutting head for document shredders VP919
N°	1235997403 1235997104

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

Product group	Specialty products
Relevant identified uses	SU0-1 Other activity related to manufacturing of chemical products PC19 Intermediate PROC5 Mixing or blending in batch processes for formulation of pre- parations and articles (multistage and/or significant contact) ERC8A Wide dispersive indoor use of processing aids in open sys- tems

1.3 Details of the supplier of the safety data sheet

Company name	HSM GmbH + Co.KG
Postal address	Austraße 1-9
Postcode / City	D-88699 Frickingen
Country	Germany
Telephone number	+49 7554 2100-0
Fax	+49 7554 2100-160
Email	info@hsm.eu
Website	www.hsm.eu

1.4 Emergency telephone number

Emergency telephone

Description: 8-12, Mo.-Fr. +49(0)7128/9292-15

ABSCHNITT 2 :Hazards identification

2.1 Classification of the substance or mixture

Substance / mixture hazardous properties

Not regarded as a health or environmental hazard under current legislation.

Additional information on classification

The product is not classified.

2.2 Label elements

Other label information (CLP)

Does not require a hazard warning label.

2.3 Other hazards

Health effect

May cause minor irritation on eye contact.

See section 11 for additional information on health hazards.

Environmental effects

Not Classified as PBT/vPvB by current EU criteria.

ABSCHNITT 3 :Composition / information on ingredients

3.1 Substances

Substance comments

Contains no classified components. Contains:
White mineral oil

ABSCHNITT 4 :First aid measures

4.1 Description of first aid measures

Inhalation

Fresh air. Get medical attention if any discomfort continues.

Skin contact

Wash skin with soap and water.

Eye contact

Rinse with water. Contact physician if discomfort continues.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink a few glasses of water or milk. Get medical attention if any discomfort continues.

Recommended personal protective equipment for first aid responders

Wear necessary protective equipment. For personal protection, see section 8.

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects

No specific symptoms noted.

Delayed symptoms and effects

No known long term effects.

4.3 Indication of any immediate medical attention and special treatment needed

Other information	If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.
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ABSCHNITT 5 :Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray, dry powder or carbon dioxide.
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5.2 Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable. During fire, gases hazardous to health may be formed. Carbon monoxide (CO). , Carbon dioxide (CO ₂).
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5.3 Advice for firefighters

Personal protective equipment	Wear necessary protective equipment. For personal protection, see section 8.
Fire fighting procedures	Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours.

ABSCHNITT 6 :Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal protection measures	Avoid contact with eyes. For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces.
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6.2 Environmental precautions

Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.
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6.3 Methods and material for containment and cleaning up

Cleaning method	Dam and absorb spillage with sand, sawdust or other absorbent. Clean contaminated area with oil-removing material.
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6.4 Reference to other sections

Other instructions	See section 8 and section 13.
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ABSCHNITT 7 :Handling and storage

7.1 Precautions for safe handling

Handling	Avoid contact with eyes. Use work methods which minimize oil mist production.
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7.2 Conditions for safe storage, including any incompatibilities

Storage	Store in closed original container in a dry place.
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7.3 Spezifische Endanwendungen

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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ABSCHNITT 8 :Exposure controls / personal protection

8.1 Control parameters

DNEL / PNEC

Summary of risk management measures, human	Data lacking.
Summary of risk management measures, environment	Data lacking.

8.2 Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure	No special precautions.
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Eye / face protection

Suitable eye protection	Eye protection is not required under normal conditions.
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Hand protection

Skin- / hand protection, long term contact	Under normal conditions of use gloves are not normally required.
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Skin protection

Additional skin protection measures	No special precautions.
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Respiratory protection

Respiratory protection necessary at	Respiratory protection is not required for normal use.
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Thermal hazards

Thermal hazards	None specific.
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Appropriate environmental exposure control

Environmental exposure controls	See section 6.
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ABSCHNITT 9 :Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Colourless.
Odour	Mild.
Odour limit	Comments: Not relevant.

pH	Status: In delivery state Comments: Not relevant.
	Status: In aqueous solution Comments: Not relevant.
Melting point / melting range	Value: -12 °C
Boiling point / boiling range	Comments: Not relevant.
Flash point	Value: 257 °C
Evaporation rate	Comments: Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Value: < 0,1 hPa Temperature: 20 °C
Vapour density	Comments: No data recorded.
Relative density	Value: 0,87 g/cm3 Temperature: 15 °C
Bulk density	Comments: Not relevant.
Solubility	Comments: Insoluble in water.
Partition coefficient: n-octanol/ water	Value: > 3,5
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: No data recorded.
Viscosity	Value: 90 mm2/s Method: ASTM D 7042 Temperature: 40 °C
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2 Other information

Other physical and chemical properties

Physical and chemical properties No data recorded.

ABSCHNITT 10 :Stability and reactivity

10.1 Reactivity

Reactivity No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions No information.

10.4 Conditions to avoid

Conditions to avoid No information.

10.5 Incompatible materials

Materials to avoid No information.

10.6 Hazardous decomposition products

Hazardous decomposition products Carbon dioxide (CO₂). Carbon monoxide (CO).

ABSCHNITT 11 :Toxicological information

11.1 Information on toxicological effects

Acute toxicity Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 3000 mg/kg
Species: Rabbit Rat
Comments: Supplier MSDS Supplier MSDS

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: > 5000 mg/kg
Species: Rat
Comments: Supplier MSDS

Other information regarding health hazards

Assessment of acute toxicity, classification No evidence for acute toxicity.

Inhalation No known chronic or acute health risks.

Skin contact Skin irritation is not anticipated when used normally.

Eye contact May cause temporary eye irritation.

Ingestion Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.

Sensitisation No evidence for respiratory nor skin sensitization.

Mutagenicity No evidence for germ cell mutagenicity.

Carcinogenicity, other information No evidence for carcinogenicity.

Reproductive toxicity No evidence for reproductive toxicity.

Assessment of specific target organ toxicity - single exposure, classification No evidence for STOT-single exposure.

Assessment of specific target organ toxicity - repeated exposure, classification No evidence for STOT-repeated exposure.

Assessment of aspiration hazard, classification No evidence for aspiration hazard.

ABSCHNITT 12 :Ecological information

12.1 Toxicity

Ecotoxicity

The environmental hazard of the product is considered to be limited.

12.2 Persistence and degradability

Persistence and degradability
description/evaluation

Not readily biodegradable (OECD).

12.3 Bioaccumulative potential

Bioaccumulation, evaluation

No data available on bioaccumulation.

12.4 Mobility in soil

Mobility

The product is insoluble in water and will spread on the water surface.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB
assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects

Additional ecological information

None.

ABSCHNITT 13 :Disposal considerations

13.1 Waste treatment methods

Appropriate methods of disposal
for the chemical

Do not empty into drains; dispose of this material and its container in a safe way.

Appropriate methods of disposal
for the contaminated packaging

Dispose of waste and residues in accordance with local authority requirements.

Dispose unused product and the packaging in accordance with local requirements.

EWC waste code

EWC waste code: 130205 mineral-based non-chlorinated engine, gear and lubricating oils

EWC packing

Classified as hazardous waste: No

EWC waste code: 130205 mineral-based non-chlorinated engine, gear and lubricating oils

Other information

Classified as hazardous waste: No

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste code applies to product remnants in pure form.

ABSCHNITT 14 :Transport information

14.1 UN number

Comments

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2 UN proper shipping name

Comments Not relevant.

14.3 Transport hazard class(es)

Comments Not relevant.

14.4 Packing group

Comments Not relevant.

14.5 Environmental hazards

IMDG Marine pollutant No

14.6 Special precautions for user

Special safety precautions for user Not relevant.

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

ABSCHNITT 15 :Regulatory information

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

Other label information	For professional users only. The product is not classified.
Legislation and regulations	<p>The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.</p> <p>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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/ 93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/ 769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.</p> <p>The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). EH40/2005, Workplace exposure limits 2005, with amendments.</p> <p>REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF</p> <p>THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.</p>

15.2 Chemical safety assessment

Chemical safety assessment performed	No
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ABSCHNITT 16 :Other information

Training advice	No particular training or education is required but the user must be familiar with this SDS.
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.
Version	3
Prepared by	MP