

# **SAFETY DATA SHEET**

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: SILKOLENE INJ/CARB CLEANER SP

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

Identified uses: Cleaner/degreaser

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier FUCHS LUBRICANTS (UK) PLC.

New Century Street ST1 5HU Hanley

Telephone: +44 (0) 1782 203700

Contact Person: Product Safety department

E-mail: product.safety@fuchs-oil.com

Telephone: +44 (0) 1782 203700

**1.4 Emergency telephone number:** UK NHS: Dial 111. Ireland NPIS: Dial +353 1 8092566.

SECTION 2: Hazards identification

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#### 2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

# Classification according to Regulation (EC) No 1272/2008 as amended.

**Physical Hazards** 

Aerosols Category 1 H222: Extremely flammable aerosol.

H229: Pressurized container: May burst if heated.

**Health Hazards** 

Skin irritation Category 2 H315: Causes skin irritation.

Serious eye irritation Category 2 H319: Causes serious eye irritation.

Specific Target Organ Toxicity -

Single Exposure

Category 3

H336: May cause drowsiness or dizziness.

Aspiration Hazard Category 1 H304: May be fatal if swallowed and enters air-

ways.

**Environmental Hazards** 

Chronic hazards to the aquatic

environment

Category 3

H412: Harmful to aquatic life with long lasting

effects.

**Hazard summary** 

Physical Hazards: Flammable aerosol.

**Health Hazards** 

**Inhalation:** Has a narcotic effect.

**Ingestion:** If ingested, material may be aspirated into the lungs and cause chemical

pneumonitis. Treat appropriately.

2.2 Label Elements

Contains: Acetone

Hydrocarbons, low viscous



Signal Words: Danger

**Hazard Statement(s):** H222: Extremely flammable aerosol.

H229: Pressurized container: May burst if heated.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

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### **Precautionary Statements**

Prevention: P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P262: Do not get in eyes, on skin, or on clothing.

P273: Avoid release to the environment.

Storage: P410+P412: Protect from sunlight. Do not expose to temperatures

exceeding 50 °C/122°F.

Disposal: P501: Dispose of contents/container to an appropriate treatment and

disposal facility in accordance with applicable laws and regulations,

and product characteristics at time of disposal.

Supplemental label information

EUH066: Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards: By handling of mineral oil products and chemical products no particular

> hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the envi-

ronment without control.

# **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

General information: Mixture of components with propellant in aerosol can.

Chemical name	Identifier		REACH Registra- tion No.	Notes
Butane	EINECS: 203-448-7	0% - <100,00%	01-2119474691-32	
Propane	EINECS: 200-827-9	0% - <100,00%	01-2119486944-21	
Isobutane (<0,1% 1,3-butadiene)	EINECS: 200-857-2	0% - <100,00%	01-2119485395-27	
Acetone	EINECS: 200-662-2	20,00% - <50,00%	01-2119471330-49	
Xylene	EINECS: 215-535-7	10,00% - <20,00%	01-2119488216-32	
Hydrocarbons, low viscous	EC: 921-024-6	10,00% - <20,00%	01-2119475514-35	
ethylbenzene	EINECS: 202-849-4	1,00% - <5,00%		

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. PBT: persistent, bioaccumulative and toxic substance.

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vPvB: very persistent and very bioaccumulative substance.



#### Classification

Chemical name	Identifier	Classi	fication
Butane	EINECS: 203-448-7	CLP:	Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Propane	EINECS: 200-827-9	CLP:	Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Isobutane (<0,1% 1,3-butadiene)	EINECS: 200-857-2	CLP:	Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Acetone	EINECS: 200-662-2	CLP:	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336
Xylene	EINECS: 215-535-7	CLP:	Flam. Liq. 3;H226, Acute Tox. 4;H312, Acute Tox. 4;H332, Skin Irrit. 2;H315
Hydrocarbons, low viscous	EC: 921-024-6	CLP:	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411
ethylbenzene	EINECS: 202-849-4	CLP:	Flam. Liq. 2;H225, Acute Tox. 4;H332

CLP: Regulation No. 1272/2008.

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

### **SECTION 4: First aid measures**

**General:** Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do,

remove contact lenses. Get medical attention.

**Skin Contact:** Immediately flush with plenty of water for at least 15 minutes while remov-

ing contaminated clothing and shoes. Wash contaminated clothing before

reuse. Get medical attention.

**Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Never

give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do NOT induce vomiting.

Call a POISON CENTER/doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and

delayed:

Causes serious eye irritation. Causes skin irritation. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat

appropriately. Dizziness Freeze burns

4.3 Indication of any immediate medical attention and special treatment needed

Get medical attention if symptoms occur.

# SECTION 5: Firefighting measures

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Fight fire from a pro-

tected location. Move containers from fire area if you can do so without risk.

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5.1 Extinguishing media

Suitable extinguishing me-

dia:

CO2, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant add-

ed

Unsuitable extinguishing

media:

Water with a full water jet.

5.2 Special hazards arising from the substance or mixture:

Danger of explosion with aerosol cans.

5.3 Advice for firefighters

Special fire fighting proce-

dures:

Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water inaccordance with official regulations. Collect contaminated fire fighting water separately. It must not enter

drains.

Special protective equipment for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

# **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures:

Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

6.2 Environmental Precautions:

Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up:

Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations.

6.4 Reference to other sections:

See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

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### **SECTION 7: Handling and storage:**

# 7.1 Precautions for safe handling:

Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with skin. Avoid contact with flame and heat source, prevent contact with direct sunlight Use only in wellventilated areas.

# 7.2 Conditions for safe storage, including any incompatibili-

ties:

Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Local regulations concerning handling and storage of waterpolluting products have to be followed. Local regulations for the storage and handling of aerosol cans and flammable liquids have to be kept. Keep away from heat/sparks/hot surfaces. - No smoking.

7.3 Specific end use(s): Not applicable

Storage Class: 2 B, Aerosols

### **SECTION 8: Exposure controls/personal protection**

### **8.1 Control Parameters**

**Occupational Exposure Limits** 

Chemical name	Туре	Exposure Lir	nit Values	Source
Butane	TWA	600 ppm	1.450 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Butane	STEL	750 ppm	1.810 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Acetone	TWA	500 ppm	1.210 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Acetone	STEL	1.500 ppm	3.620 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Acetone	TWA	500 ppm	1.210 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
Xylene	TWA	50 ppm	220 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Xylene	STEL	100 ppm	441 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Xylene	STEL	Values in Directives 91/322/EEC, 2		EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
Xylene	TWA	50 ppm	221 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
Xylene	TWA	50 ppm	221 mg/m3	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)

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Xylene	STEL	100 ppm	442 mg/m3	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)
ethylbenzene	TWA	100 ppm	441 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
ethylbenzene	STEL	125 ppm	552 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
ethylbenzene	TWA	100 ppm	442 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
ethylbenzene	STEL	200 ppm	884 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)

**Biological Limit Values** 

Chemical name	Exposure Limit Values	Source
Xylene (Methylhippuric acids: Sampling time: End of shift.)	650 mmol/mol (Creatinine in urine)	UKEH40BMGV (12 2011)

## 8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

# Individual protection measures, such as personal protective equipment

**General information:** Wash hands before breaks and after work. Use personal protective equip-

> ment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be ad-

hered to inhandling the chemicals or the mineral oil products.

Safety glasses (EN 166) recommended during refilling. Avoid contact with **Eye/face protection:** 

eyes.

Skin protection

Hand Protection: Material: Nitrile butyl rubber (NBR).

Min. Breakthrough time: >= 480 min

Recommended thickness of the material: >= 0,38 mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufactur-

er of the protective gloves and has to be observed.

Other: Do not carry cleaning cloths impregnated with the product in trouser pock-

ets. Wear suitable protective clothing.

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**Respiratory Protection:** Ensure good ventilation/exhaustion at the workplace. Avoid breathing va-

pour/ aerosol.

Thermal hazards: Not known.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after

handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated foot-

wear that cannot be cleaned.

**Environmental Controls:** No data available.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state: Aerosols
Form: Aerosols
Color: Colorless
Odor: Characteristic

Odor Threshold: Not applicable for mixtures

pH: Not applicable

Freezing point: Not applicable for mixtures

**Boiling Point:**Value not relevant for classification

Value not relevant for classification

Evaporation Rate: Not applicable for mixtures

Flammability (solid, gas): Value not relevant for classification

Flammability Limit - Upper (%)-: 9,5 %(V)
Flammability Limit - Lower (%)-: 1,8 %(V)

Vapor pressure:Not applicable for mixturesVapor density (air=1):Not applicable for mixtures

**Density:** 0,66 g/cm3 (15 °C)

Solubility(ies)

Solubility in Water: Insoluble in water Solubility (other): No data available.

Partition coefficient (n-octanol/water): Not applicable for mixtures

Autoignition Temperature:

Decomposition Temperature:

Value not relevant for classification

**9.2 Other information** No data available.

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**SECTION 10: Stability and reactivity** 

**10.1 Reactivity:** Stable under normal use conditions.

**10.2 Chemical Stability:** Stable under normal use conditions.

10.3 Possibility of hazardous

reactions:

Stable under normal use conditions.

**10.4 Conditions to avoid:** Stable under normal use conditions.

**10.5 Incompatible Materials:** Strong oxidizing substances. Strong acids. Strong bases.

**10.6 Hazardous Decomposition** 

**Products:** 

Thermal decomposition or combustion may liberate carbon oxides and oth-

er toxic gases or vapors.

# **SECTION 11: Toxicological information**

Information on likely routes of exposure

**Inhalation:** No data available.

**Ingestion:** No data available.

**Skin Contact:** Causes skin irritation.

**Eye contact:** Causes eye irritation.

# 11.1 Information on toxicological effects

### **Acute toxicity**

Oral

**Product:** 

Not classified for acute toxicity based on available data.

Specified substance(s)

Acetone LD 50 (Rat): 5.800 mg/kg (OECD 401)

Xylene LD 50 (Rat): 8.700 mg/kg

ethylbenzene LD 50 (Rat): 3.500 mg/kg

Dermal

**Product:** ATEmix: 11.862 mg/kg

Specified substance(s)

Acetone LD 50 (Rabbit): > 15.800 mg/kg

Xylene LD 50 (Rabbit): 2.000 mg/kg

ethylbenzene LD 50 (Rabbit): 17.800 mg/kg

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Inhalation

**Product:** ATEmix: 65,24 mg/l

Vapour

Specified substance(s)

Butane LC 50 (Rat, 4 h): 658 mg/l

Gas

Acetone LC 50 (Rat, 4 h): 76 mg/l

**Xylene** LC 50 (Rat, 4 h): 6.350 mg/l

Vapour

Skin Corrosion/Irritation:

**Product:** Specified substance(s) Based on available data, the classification criteria are met.

Acetone

Prolonged skin contact may cause redness, irritation and dry skin.

**Serious Eye Damage/Eye Irritation:** 

Product: Based on available data, the classification criteria are met.

Specified substance(s)

Acetone OECD 405 (Rabbit):

Causes serious eye irritation.

Respiratory or Skin Sensitization:

**Product:** Skin sensitizer: Based on available data, the classification criteria are not

Respiratory sensitizer: Based on available data, the classification criteria

are not met.

Specified substance(s)

Acetone

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

**Germ Cell Mutagenicity** 

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

In vitro

Specified substance(s)

Acetone

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

In vivo

Specified substance(s)

Acetone

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

Carcinogenicity

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

Specified substance(s)

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

Reproductive toxicity

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

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Specified substance(s)

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

**Specific Target Organ Toxicity - Single Exposure** 

**Product:** Based on available data, the classification criteria are met.

Specified substance(s)

Acetone

May cause drowsiness or dizziness.

**Specific Target Organ Toxicity - Repeated Exposure** 

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

Specified substance(s)

Acetone

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

**Aspiration Hazard** 

**Product:** May be fatal if swallowed and enters airways.

Other adverse effects: No data available.

### **SECTION 12: Ecological information**

### 12.1 Toxicity

**Acute toxicity** 

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

**Fish** 

Specified substance(s)

Propane LC 50 (Fish, 96 h): > 1.000 mg/l

Isobutane (<0,1% 1,3-

butadiene)

LC 50 (Fish, 96 h): 28 mg/l

Acetone LC 50 (Fish, 96 h): 5.540 mg/l

Hydrocarbons, low vis-

cous

LC 50 (Fish, 96 h): 11,4 mg/l (OECD 203)

Aquatic Invertebrates Specified substance(s)

Isobutane (<0,1% 1,3-

butadiene)

EC 50 (Water Flea, 48 h): 16,3 mg/l

Acetone EC 50 (Water Flea, 48 h): 8.800 mg/l

Hydrocarbons, low vis-

cous

LC 50 (Water Flea, 48 h): 3 mg/l (OECD 202)

Chronic ToxicityProduct: Based on available data, the classification criteria are met.

Toxicity to Aquatic Plants Specified substance(s)

Isobutane (<0,1% 1,3-

butadiene)

EC 50 (Alga, 72 h): 8,6 mg/l

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Hydrocarbons, low vis-

cous

LC 50 (Alga, 72 h): 30 mg/l (OECD 201)

12.2 Persistence and Degradability

Biodegradation

**Product:** Not applicable for mixtures

Specified substance(s)

Acetone The product is easily biodegradable.

12.3 Bioaccumulative potential

**Product:** Not applicable for mixtures

Specified substance(s)

Acetone Bioconcentration Factor (BCF): 0,69 The product is not bioaccumulating.

12.4 Mobility in soil:

**Product:** Not applicable for mixtures

12.5 Results of PBT and vPvB

assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

**12.6 Other adverse effects:** Harmful to aquatic life with long lasting effects.

**Water Hazard Class** 

(WGK):

WGK 2: significantly water-endangering.

# SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local

laws.

**European Waste Codes** 

16 05 04\*: Gases in pressure containers (including halons) containing

dangerous substances.

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# **SECTION 14: Transport information**

# ADR/RID

14.1 UN Number: UN 195014.2 UN Proper Shipping Name: AEROSOLS

14.3 Transport Hazard Class(es)

Class: 2
Label(s): 2.1
Hazard No. (ADR): Tunnel restriction code: (D)

14.4 Packing Group: 14.5 Environmental hazards: -

**ADN** 

14.1 UN Number: UN 1950 14.2 UN Proper Shipping Name: AEROSOLS

14.3 Transport Hazard Class(es)

14.6 Special precautions for user:

Class: 2
Label(s): 2.1

14.3 Packing Group: 14.5 Environmental hazards: 14.6 Special precautions for user: -

### **IMDG**

14.1 UN Number: UN 1950 14.2 UN Proper Shipping Name: AEROSOLS

14.3 Transport Hazard Class(es)

 Class:
 2.1

 Label(s):
 2.1

 EmS No.:
 F-D, S-U

14.3 Packing Group:

14.5 Environmental hazards: –
14.6 Special precautions for user: –

#### IATA

14.1 UN Number: UN 1950

14.2 Proper Shipping Name: Aerosols, flammable

14.3 Transport Hazard Class(es):

Class: 2.1
Label(s): 2.1

14.4 Packing Group: 14.5 Environmental hazards: 14.6 Special precautions for user: -

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

# SECTION 15: Regulatory information

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

#### **EU Regulations**

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Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

15.2 Chemical safety as-

sessment:

No Chemical Safety Assessment has been carried out.

# **SECTION 16: Other information**

**Revision Information:** Vertical lines in the margin indicate an amendment.

### Wording of the H-statements in section 2 and 3

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.

H229 Pressurized container: May burst if heated.

Contains gas under pressure; may explode if heated. H280

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

Causes serious eye irritation. H319

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

Other information: The classification complies with the current EU lists; however, it has been

supplemented with expert literature information and information provided by/about our company. It was derived from the test data and/or the applica-

tion of the conventional method.

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Disclaimer: The data contained in this safety data sheet are based on our current

> knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no sig-

nature.

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