

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Zinc Spray

**Product no.**

4-399-0400

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Bodywork protector treatment. Only for professional use.

**Uses advised against**

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The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

August Handel GmbH  
Heinrich-Hertz-Str. 3b  
DE-14532 Kleinmachnow b. Berlin  
Germany  
Phone: +49 30 217333 00

**Contact person**

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**E-mail**

info@augusthandel.com

**SDS date**

2017-06-01

**SDS Version**

1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Flam. Gas 1; H220  
Flam. Liq. 2; H225  
Flam. Liq. 3; H226  
Aerosol 3; H229  
Comp. Gas; H280  
Skin Irrit. 2; H315  
Skin Sens. 1; H317  
Eye Irrit. 2; H319  
Carc. 1B; H350  
Repr. 2; H361  
Aquatic Acute 1; H400  
Aquatic Chronic 1; H410  
See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**



**Signal word**

Danger

**Hazard statement(s)**

- Extremely flammable gas. (H220)
- Highly flammable liquid and vapour. (H225)
- Flammable liquid and vapour. (H226)
- Pressurised container: May burst if heated. (H229)
- Contains gas under pressure; may explode if heated. (H280)
- Causes skin irritation. (H315)
- May cause an allergic skin reaction. (H317)
- Causes serious eye irritation. (H319)
- May cause cancer. (H350)
- Suspected of damaging fertility or the unborn child. (H361)
- Very toxic to aquatic life with long lasting effects. (H410)

**Safety statement(s)**

- General** -
- Prevention** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210).  
Do not pierce or burn, even after use. (P251).
- Response** Leaking gas fire: Do not extinguish, unless leak can be stopped safely. (P377).  
IF exposed or concerned: Get medical advice/attention. (P308+P313).  
In case of leakage, eliminate all ignition sources. (P381).
- Storage** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412).
- Disposal** Dispose of contents/container to an approved waste disposal plant. (P501).

**Identity of the substances primarily responsible for the major health hazards**

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi, Fatty, acids, tall-oil, compds, with, oleylamine

**2.3. Other hazards**

This product contains teratogenic substances, which may cause long-term adverse effects to the unborn foetus.

This product contains substances that may cause adverse effects to the reproductive system.

This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

**Additional labelling**

Do not use in paint spraying equipment.

**Additional warnings**

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**VOC**

-

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

**3.1/3.2. Substances/Mixtures**

NAME:	dimethyl ether
IDENTIFICATION NOS.:	CAS-no: 115-10-6 EC-no: 204-065-8 Index-no: 603-019-00-8
CONTENT:	25-50%%
CLP CLASSIFICATION:	Comp. Gas, Flam. Gas 1 H220, H280 SL
NOTE:	

NAME:	Zinc powder - Zinc dust (stabilized)
IDENTIFICATION NOS.:	CAS-no: 7440-66-6 EC-no: 231-175-3 Index-no: 030-001-01-9
CONTENT:	25-50%%
CLP CLASSIFICATION:	Aquatic Acute 1, Aquatic Chronic 1 H400, H410 (M-acute = 1) (M-chronic = 1)
NAME:	acetone
IDENTIFICATION NOS.:	CAS-no: 67-64-1 EC-no: 200-662-2 Index-no: 606-001-00-8
CONTENT:	5-10%%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336
NOTE:	SL
NAME:	Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified A complex combi
IDENTIFICATION NOS.:	CAS-no: 64742-95-6 EC-no: 265-199-0 Index-no: 649-356-00-4
CONTENT:	5-10%%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3, Skin Irrit. 2, Asp. Tox. 1, Carc. 1B, Repr. 2, Aquatic Chronic 2 H226, H304, H315, H336, H350, H361, H411
NAME:	xylene
IDENTIFICATION NOS.:	CAS-no: 1330-20-7 EC-no: 215-535-7 Index-no: 601-022-00-9
CONTENT:	2.5-5%%
CLP CLASSIFICATION:	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2 H226, H312, H315, H332
NOTE:	SL
NAME:	zinc oxide
IDENTIFICATION NOS.:	CAS-no: 1314-13-2 EC-no: 215-222-5 Index-no: 030-013-00-7
CONTENT:	1-2.5%%
CLP CLASSIFICATION:	Aquatic Acute 1, Aquatic Chronic 1 H400, H410
NAME:	Hydrophobic amorphous fumed silica
IDENTIFICATION NOS.:	CAS-no: 112945-52-5 EC-no: 601-216-3
CONTENT:	0.1-1%%
CLP CLASSIFICATION:	Hydrophobic amorphous fumed silica Acute Tox. 2, H330
NAME:	Fatty, acids, tall-oil, compds, with, oleylamine
IDENTIFICATION NOS.:	CAS-no: 85711-55-3 EC-no: 288-315-1
CONTENT:	< 0.1%%
CLP CLASSIFICATION:	STOT RE 2, Eye Dam. 1, Skin Sens. 1 H317, H318, H373

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

S = Organic solvent L = European occupational exposure limit.

### Other information

ATEmix(inhale, vapour) > 20  
 ATEmix(dermal) > 2000  
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1,2 - 1,8  
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = > 1 - 1,2  
 N chronic (CAT 1) Sum = Sum(Ci/(M(chronic)<sup>i</sup>\*25)) = 1,344 - 2,016  
 N acute (CAT 1) Sum = Sum(Ci/M(acute)<sup>i</sup>\*25) = 1,344 - 2,016

## 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. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). 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

Bring the person into fresh air and stay with him.

#### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

#### Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least

15 minutes. Seek medical assistance and continue flushing during transport.

#### **Ingestion**

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### **Burns**

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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.

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.

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

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

#### **Information to medics**

Bring this safety data sheet.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. 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.

#### **5.3. Advice for firefighters**

No specific requirements.

### **SECTION 6: Accidental release measures**

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

Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

#### **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

#### **6.4. Reference to other sections**

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

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

#### **7.1. Precautions for safe handling**

Avoid static electricity.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

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

Store locked up. The room and chemical closet shall be provided with warning sign for toxic substances. Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

#### Storage temperature

Room temperature 18 to 23°C

### 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

#### OEL

xylene

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 100 ppm | 441 mg/m<sup>3</sup>

Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin. )

acetone

Long-term exposure limit (8-hour TWA reference period): 500 ppm | 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 1500 ppm | 3620 mg/m<sup>3</sup>

dimethyl ether

Long-term exposure limit (8-hour TWA reference period): 400 ppm | 766 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 500 ppm | 958 mg/m<sup>3</sup>

#### DNEL / PNEC

DNEL (dimethyl ether): 958 mg/m<sup>3</sup>

Duration of Exposure: Short term

DNEL (dimethyl ether): 766 mg/m<sup>3</sup>

Duration of Exposure: Long term

DNEL (acetone): 3620 mg/m<sup>3</sup>

Duration of Exposure: Short term

DNEL (acetone): 1210 mg/m<sup>3</sup>

Duration of Exposure: Long term

DNEL ( Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi): 25 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL ( Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi): 150 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (xylene): 180 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (xylene): 289 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (xylene): 289 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (xylene): 77 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (xylene): 77 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL ( zinc oxide ): 83 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL ( zinc oxide ): 5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

PNEC (xylene): 0,327 mg/l

Exposure: Freshwater

PNEC (xylene): 12,46 mg/kg  
 Exposure: Freshwater sediment  
 PNEC (xylene): 2,31 mg/kg  
 Exposure: Soil  
 PNEC (xylene): 6,58 mg/l  
 Exposure: Sewage Treatment Plant  
 PNEC ( zinc oxide ): 0,0206 mg/l  
 Exposure: Freshwater  
 PNEC ( zinc oxide ): 0,0061 mg/l  
 Exposure: Marine water  
 PNEC ( zinc oxide ): 117,8 mg/kg  
 Exposure: Freshwater sediment  
 PNEC ( zinc oxide ): 56,5 mg/kg  
 Exposure: Marine water sediment  
 PNEC ( zinc oxide ): 35,6 mg/kg  
 Exposure: Soil  
 PNEC ( zinc oxide ): 0,1 mg/l  
 Exposure: Sewage Treatment Plant

## 8.2. Exposure controls

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

### General recommendations

Observe general occupational hygiene standards.

### Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

### Exposure limits

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

### Appropriate technical measures

Exhaust air that contains the substances shall not be recirculated. Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and - showers are clearly marked.

### 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. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

### Individual protection measures, such as personal protective equipment



### Generally

Use only CE marked protective equipment.

### Respiratory Equipment

Recommended: Combination filter A2P3. Class 2/3. Brown/White

### Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

### Hand protection

Recommended: Natural rubber (latex )

### Eye protection

Wear safety glasses with side shields.

## SECTION 9: Physical and chemical properties

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

Form	Aerosol
Colour	Orange
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.

Density (g/cm <sup>3</sup> )	1,095
<b>Phase changes</b>	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure (25°C)	4000 hPa
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
<b>Data on fire and explosion hazards</b>	
Flash point (°C)	0
Ignition (°C)	240
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	3,3 - 26,2 v/v%
Explosive properties	No data available.
<b>Solubility</b>	
Solubility in water	Insoluble
n-octanol/water coefficient	No data available.
<b>9.2. Other information</b>	
Solubility in fat (g/L)	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 the section "Handling and storage".

### 10.3. Possibility of hazardous reactions

Nothing special

### 10.4. Conditions to avoid

Avoid static electricity.

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Substance	Species	Test	Route of exposure	Result
Fatty,acids,tall-oil,compds,wi...	Rat	LD50	Oral	>2000 mg /kg
Hydropholic amorphous fumed si...	Rat	LD50	Oral	>10000 mg/kg
	Rabbit	LD50	Dermal	>5000 mg/kg
Hydropholic amorphous fumed si...	Rat	LC50	Inhalation	>0.139 mg/m <sup>3</sup>
	Rat	LD50	Oral	>5000 mg/kg
Hydropholic amorphous fumed si...	Mouse	LD50	Oral	7950 mg/kg
	Mouse	LC50	Inhalation	2500 mg/m <sup>3</sup>
zinc oxide	Rat	LD50	Oral	4300 mg/kg
zinc oxide	Rabbit	LD50	Dermal	2000 mg/kg
zinc oxide	Rat	LC50	Inhalation	22,1 mg/m <sup>3</sup>
xylene	Rat	LD50	Oral	>6800 mg/kg
xylene	Rabbit	LD50	Dermal	>3500 mg/kg
xylene	Rat	LC50	Inhalation	>6193 mg/m <sup>3</sup>
Solvent naphtha (petroleum),	Rat	LD50	Oral	5800 mg/kg
...	Rabbit	LD50	Dermal	20000 mg/kg
Solvent naphtha (petroleum),	Rat	LC50	Inhalation	39 mg/m <sup>3</sup>
...	Rat	LC50	Inhalation	308 mg/m <sup>3</sup>
...				
acetone				
acetone				
acetone				
dimethyl ether				

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation



Causes serious eye irritation.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

May cause cancer.

#### Reproductive toxicity

Suspected of damaging fertility or the unborn child.

#### STOT-single exposure

Data on substance: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Long term effects

Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders.

Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The substances are classified as carcinogenic or listed by the Danish Working Environment Authority as substances suspected of being carcinogenic. The substances are covered by the DWEA's regulations on work involving the risk of cancer. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Species	Test	Duration	Result
Fatty,acids,tall-oil,compds,wi...				
Hydropholic amorphous fumed si...				
zinc oxide	Daphnia	EC50	48h	1.3 mg/l
zinc oxide	Daphnia	EC50	24h	>10000 mg/l
zinc oxide	Algae	EC50	24h	9,4 mg/l
zinc oxide	Crustacean	EC50	72h	0,042 mg/l
zinc oxide	Daphnia	LC50	48h	1,55 mg/l
xylene	Fish	LC50	96h	4,92 mg/l
xylene	Daphnia	EC50	24 h	96 mg/l
xylene	Daphnia	EC50	48 h	>1 - 10 mg/l
xylene	Algae	IC50	72 h	2,2 mg/l
Solvent naphtha (petroleum), ...	Fish	LC50	96 h	13,5 mg/l
Solvent naphtha (petroleum), ...	Daphnia	EC50	24 h	150 mg/l
Solvent naphtha (petroleum), ...	Algae	EC50	72 h	2,9 mg/l
Solvent naphtha (petroleum), ...	Fish	LC50	96 h	3,77 mg/l
Solvent naphtha (petroleum), ...	Daphnia	EC50	48 h	7,4 mg/l
Solvent naphtha (petroleum), ...	Daphnia	EC50	48h	8800 mg/l
Solvent naphtha (petroleum), ...	Daphnia	LC50	48h	2262 mg/l
acetone	Fish	LC50	96h	5540 mg/l
acetone	Daphnia	EC50	48h	2.8 mg/l
acetone	Daphnia	LC50	96h	0.57 mg/l
Zinc powder - Zinc dust (stabi...	Daphnia	EC50	48	>4000 mg/l
Zinc powder - Zinc dust (stabi... dimethyl ether				



**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
zinc oxide	No	No data available	No data available
Solvent naphtha (petroleum), ...	Yes	Modified OECD Screening Test	78%

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
zinc oxide	No	No data available	No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

Contains epoxy compounds. See information supplied by the manufacturer.

**12.6. 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 due to poor biodegradability, 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.

**Waste**

EWC code

-

**Specific labelling**

-

**Contaminated packing**

Contaminated packaging must be disposed of similarly to the product.

**SECTION 14: Transport information****14.1 – 14.4**

This product is within scope of the regulations of transport of dangerous goods.

**ADR/RID**

14.1. UN number	1950
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	2
14.4. Packing group	-
Notes	-
Tunnel restriction code	D

**IMDG**

UN-no.	1950
Proper Shipping Name	1950 Aerosols
Class	2
PG*	-
EmS	F-D,S-U
MP**	Yes
Hazardous constituent	5F Gases

**IATA/ICAO**

UN-no.	1950
Proper Shipping Name	1950 Aerosols
Class	2
PG*	-

**14.5. Environmental hazards**

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

**14.6. Special precautions for user**

-

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

No data available

(\*) Packing group

(\*\*) Marine pollutant

### SECTION 15: Regulatory information

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

##### Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Industrial use only.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

##### Demands for specific education

-

##### Additional information

-

##### Sources

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.

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

Regulation (EC) No 1272/2008 of the European Parliament and of 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 (CLP).

EC regulation 1907/2006 (REACH).

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

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

H220 - Extremely flammable gas.

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H280 - Contains gas under pressure; may explode if heated.

H304 - May be fatal if swallowed and enters airways.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H330 - Fatal if inhaled.

H332 - Harmful if inhaled.

H336 - May cause drowsiness or dizziness.

H350 - May cause cancer.

H361 - Suspected of damaging fertility or the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure $\alpha$ .

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.

#### The full text of identified uses as mentioned in section 1

-

#### Additional label elements



**Other**

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data.

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

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.

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.

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

**The safety data sheet is validated by**

JW

**Date of last essential change  
(First cipher in SDS version)**

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**Date of last minor change  
(Last cipher in SDS version)**

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