

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### VELIND Rostlöser mit MOS2 300ml

Revision date: 04.08.2021

Product code: 31019

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

##### 1.1. Product identifier

VELIND Rostlöser mit MOS2 300ml

UFI: 74WR-02V8-X00P-JT7V

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

###### Use of the substance/mixture

Automotive Care (spray, liquid)

###### Uses advised against

No information available. Use(Usage) exclusively according to labelled intended purpose!

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

Company name:	VELIND Aerosol GmbH	
Street:	Passower Chaussee 111	
Place:	D-16303 Schwedt/O	
Telephone:	+49 33 32 / 4 50 88 - 0	Telefax: +49 33 32 / 4 50 88 - 30
e-mail:	info@velind.de	
Contact person:	Wallbaum	Telephone: 11
e-mail:	qs@velind.de	
Internet:	www.velind.de	
Responsible Department:	QS	

**1.4. Emergency telephone number:** GGIZ der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen: +49 3 61 / 7 30 73 -0

##### Further Information

Emergency - Phonecalls to +49 (0) 33 32 / 4 50 88 16  
(during office-hours from 8.00 a.m. to 4.00 p.m.)

#### SECTION 2: Hazards identification

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

###### Regulation (EC) No. 1272/2008

Hazard categories:

Aerosol: Aerosol 1

Aspiration hazard: Asp. Tox. 1

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

May be fatal if swallowed and enters airways.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

**Signal word:** Danger**Pictograms:**

###### Hazard statements

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

###### Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

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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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of the Contents/container of waste according to with local/national regulations applicable legislation.

#### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Labelling of packages where the contents do not exceed 125 ml

**Signal word:** Danger

**Pictograms:**


#### Hazard statements

H222-H229

#### Precautionary statements

P102-P210-P211-P251-P410+P412

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Aerosol

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-48-9	naphtha (petroleum), hydrotreated heavy			35 - < 40 %
	918-481-9	649-327-00-6	01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
111-76-2	2-butoxyethanol			1 - < 5 %
	203-905-0	603-014-00-0	01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			
106-99-0	1,3-butadiene, buta-1,3-diene			< 0.1 %
	203-450-8			
	Flam. Gas 1, Carc. 1A, Muta. 1B; H220 H350 H340			

Full text of H and EUH statements: see section 16.

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**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-48-9	918-481-9	naphtha (petroleum), hydrotreated heavy	35 - < 40 %
		inhalation: LC50 = >5000 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
111-76-2	203-905-0	2-butoxyethanol	1 - < 5 %
		inhalation: LC50 = >3,1 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >1400 mg/kg	
106-99-0	203-450-8	1,3-butadiene, buta-1,3-diene	< 0.1 %
		oral: LD50 = 5480 mg/kg Carc. 1A; H350: >= 0,1 - 100 Muta. 1B; H340: >= 0,1 - 100	

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**
**General information**

Remove contaminated, saturated clothing immediately. First aider: Pay attention to self-protection! Move victim out of danger zone.

**After inhalation**

Provide fresh air. Move victim out of danger zone. In all cases of doubt, or when symptoms persist, seek medical advice.

**After contact with skin**

1

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

**After ingestion**

Not applicable, because aerosol. If it does, consult a doctor immediately and show him box or label. Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.

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

The following symptoms may occur::

Intoxication. unconsciousness. Headache. drowsiness. Dizziness. Depression of the central nervous system.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**
**5.1. Extinguishing media**
**Suitable extinguishing media**

alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Water spray. dry extinguishing powder. Water fog.  
Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

High power water jet.

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

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Vapours are heavier than air and will spread at floor level. Beware of reignition. Contains gas under pressure; may explode if heated. (H280) Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon monoxide Carbon dioxide.

**5.3. Advice for firefighters**

Special protective equipment for firefighters In case of fire: Wear self-contained breathing apparatus.

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#### Additional information

Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Remove according to the regulations.

### SECTION 6: Accidental release measures

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

##### General measures

Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. Wear personal protection equipment. Keep away from sources of ignition - No smoking.

#### 6.2. Environmental precautions

Provide fresh air. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

##### Other information

Ventilate affected area. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Keep out of the reach of children. Do not breathe gas/fumes/vapour/spray. Use only outdoors or in a well-ventilated area. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. When using do not eat, drink, smoke, sniff. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Read label before use. Observe in addition any national regulations!

##### Advice on protection against fire and explosion

Pressurised container: May burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Take precautionary measures against static discharges.

##### Further information on handling

Do not pierce or burn, even after use.

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

##### Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Maximum storage temperature: 50°C Further information concerning storage conditions: The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

##### Hints on joint storage

Keep away from: Oxidizing agents. strong alkalis. Strong acid.

##### Further information on storage conditions

Fire class: C

#### 7.3. Specific end use(s)

Automotive Care (spray, liquid)

### SECTION 8: Exposure controls/personal protection

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**8.1. Control parameters**
**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
106-99-0	Buta-1,3-diene	1	2.2		TWA (8 h)	WEL
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

**Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

**DNEL/DMEL values**

CAS No	Substance	DNEL type	Exposure route	Effect	Value
111-76-2	2-butoxyethanol	Worker DNEL, long-term	inhalation	systemic	98 mg/m <sup>3</sup>
		Worker DNEL, acute	inhalation	systemic	663 mg/m <sup>3</sup>
		Worker DNEL, acute	inhalation	local	246 mg/m <sup>3</sup>
		Worker DNEL, long-term	dermal	systemic	75 mg/kg bw/day
		Worker DNEL, acute	dermal	systemic	89 mg/kg bw/day
		Consumer DNEL, long-term	inhalation	systemic	49 mg/m <sup>3</sup>
		Consumer DNEL, acute	inhalation	systemic	426 mg/m <sup>3</sup>
		Consumer DNEL, acute	inhalation	local	123 mg/m <sup>3</sup>
		Consumer DNEL, long-term	dermal	systemic	38 mg/kg bw/day
		Consumer DNEL, acute	dermal	systemic	44,5 mg/kg bw/day
		Consumer DNEL, long-term	oral	systemic	3,2 mg/kg bw/day
		Consumer DNEL, acute	oral	systemic	13,4 mg/kg bw/day

**PNEC values**

CAS No	Substance	Environmental compartment	Value
111-76-2	2-butoxyethanol	Freshwater	8,8 mg/l
		Marine water	0,88 mg/l
		Freshwater sediment	34,6 mg/kg
		Marine sediment	3,46 mg/kg
		Soil	2,8 mg/kg

**8.2. Exposure controls**

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#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. Exposure controls / Personal protection equipment

#### Protective and hygiene measures

When using do not eat, drink, smoke, sniff. Personal protection equipment. Contaminated work clothing should not be allowed out of the workplace. Technical ventilation of workplace.

#### Eye/face protection

With correct and proper use, and under normal conditions, not required.  
Recommendation: Wear eye/face protection.

#### Hand protection

Tested protective gloves are to be worn: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable material: NBR (Nitrile rubber). Butyl rubber. Observe Glove plan!

Thickness of glove material: 0,7 mm

Breakthrough times and swelling properties of the material must be taken into consideration.

Protect skin by using skin protective cream. Observe skin protection programme.

Apply skin care products after work.

#### Skin protection

With correct and proper use, and under normal conditions, not required.

Wear personal protection equipment.

Wear anti-static footwear and clothing . .

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: exceeding exposure limit values. Filtering device (full mask or mouthpiece) with filter: A-P2

#### Environmental exposure controls

No information available.

## SECTION 9: Physical and chemical properties

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

Physical state:	Aerosol Active component: liquid
Colour:	black
Odour:	characteristic
pH-Value:	not applicable

#### Changes in the physical state

Melting point:	not determined
Boiling point or initial boiling point and boiling range:	>100 (Active component) °C
Flash point:	>61 (Active component) °C

#### Flammability

Solid/liquid:	not applicable
Gas:	not applicable

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**Explosive properties**

Heating may cause an explosion. not explosive. In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits: 0,5 vol. %

Upper explosion limits: 9,5 vol. %

**Self-ignition temperature**

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

The product is not: oxidising.

Vapour pressure: not determined

Density: 0,82 (Active component) g/cm<sup>3</sup>

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

**Solubility in other solvents**

not determined

Partition coefficient n-octanol/water: not determined

Relative vapour density: not determined

Evaporation rate: not determined

**9.2. Other information**

Solid content: not determined

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Extremely flammable aerosol. Pressurized container: May burst if heated. The product has not been tested.

**10.2. Chemical stability**

Stable with proper storage and handling.

**10.3. Possibility of hazardous reactions**

No decomposition if used as intended

**10.4. Conditions to avoid**

Refer to chapter 7.

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.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Do not pierce or burn, even after use.

**10.5. Incompatible materials**

Refer to chapter 7.

Materials to avoid: Oxidizing agents.

**10.6. Hazardous decomposition products**

Refer to chapter 5.

No decomposition if used as intended

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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#### Toxicokinetics, metabolism and distribution

Mixture not tested. There are no data available on the preparation/mixture itself.

#### Acute toxicity

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

There are no data available on the mixture itself.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-48-9	naphtha (petroleum), hydrotreated heavy				
	oral	LD50 >2000 mg/kg	Rat		OECD 401
	dermal	LD50 >2000 mg/kg	Rabbit		OECD 402
	inhalation (4 h) vapour	LC50 >5000 mg/l	Rat		OECD 403
111-76-2	2-butoxyethanol				
	oral	LD50 >1400 mg/kg	Guinea-pig.		
	dermal	LD50 >2000 mg/kg	Guinea-pig.		
	inhalation (1 h) vapour	LC50 >3,1 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
106-99-0	1,3-butadiene, buta-1,3-diene				
	oral	LD50 5480 mg/kg	Rat		

#### Irritation and corrosivity

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

There are no data available on the mixture itself.

#### Sensitising effects

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

There are no data available on the mixture itself.

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

There are no data available on the mixture itself.

#### STOT-single exposure

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

There are no data available on the mixture itself. No data available

#### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

There are no data available on the mixture itself. No data available

#### Aspiration hazard

May be fatal if swallowed and enters airways.

There are no data available on the mixture itself. No data available

#### Specific effects in experiment on an animal

There are no data available on the mixture itself.

#### Additional information on tests

There are no data available on the mixture itself. No data available

#### Practical experience

The evaluation based on subjective human observations: May cause drowsiness or dizziness. Headache. Can cause frostbite.



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**Further information**

Mixture not tested. There are no data available on the preparation/mixture itself.

**SECTION 12: Ecological information**
**12.1. Toxicity**

Mixture not tested. There are no data available on the preparation/mixture itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-48-9	naphtha (petroleum), hydrotreated heavy					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 >100 mg/l	96 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
111-76-2	2-butoxyethanol					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
	Fish toxicity	NOEC >100 mg/l	21 d	Danio rerio (zebrafish)		
	Crustacea toxicity	NOEC 100 mg/l	21 d	Daphnia magna		

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**12.4. Mobility in soil**

The product has not been tested.

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

The product has not been tested.

**12.7. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**List of Wastes Code - used product**

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors; hazardous waste

**List of Wastes Code - contaminated packaging**

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160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

#### Contaminated packaging

Completely emptied packages can be recycled.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1



Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0  
 Transport category: 2  
 Tunnel restriction code: D

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1



Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0

#### Marine transport (IMDG)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 381, 959  
 Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

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#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Warning: Flammable gases. Persons employed in transporting dangerous goods must be trained. Precautions must be taken to prevent damage.

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

not applicable

#### **Other applicable information**

Minimum amount regulations: &lt; 1 litre

### SECTION 15: Regulatory information

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

##### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29

Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

##### **Additional information**

Aerosol directive (75/324/EEC).

##### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,8,9,10,14,15,16.

These details refer to the products as it is delivered.

Follow the instructions for use on the label.

\* Data changed compared with the previous version

#### **Abbreviations and acronyms**

ADR: Accord européen sur le transport 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 Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

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PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 PBT: persistent, bioaccumulative, toxic  
 vPvB: very persistent, very bioaccumulative  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
 intérieures)  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 VOC: Volatile Organic Compounds  
 SVHC: Substance of Very High Concern  
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Asp. Tox. 1; H304	Calculation method

#### Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H340	May cause genetic defects.
H350	May cause cancer.
EUH066	Repeated exposure may cause skin dryness or cracking.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*