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

1.1. Product identifier

VELIND Scheibenschaum

UFI:

J5GT-02YX-U008-8QYQ

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

Use of the substance/mixture

SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use

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	GGIZ der Länder Mecklenburg-Vo	rpommern, Sachsen, Sachsen-Anhalt und
number:	Thüringen: +49 3 61 / 7 30 73 -0	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories: Flammable liquid: Flam. Liq. 3 Hazard Statements: Flammable liquid and vapour.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H226

Flammable liquid and vapour.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Store in a well-ventilated place. Keep cool.
Dispose of the Contents/container of waste according to with local/national regulations applicable legislation.

Labelling of packages where the contents do not exceed 125 ml



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Signal word: Pictograms:



2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture. Inhalation causes narcotic effects/intoxication.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name						
	EC No	lo Index No REACH No					
	GHS Classification						
64-17-5	ethanol, ethyl alcohol						
	200-578-6	603-002-00-5	01-2119457610-43				
	Flam. Liq. 2, Eye Irrit. 2	2; H225 H319 EUH066					
78-93-3	Butanone						
	201-159-0	606-002-00-3	01-2119457290-43				
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066						

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity			
	Specific Conc.	Specific Conc. Limits, M-factors and ATE				
64-17-5	200-578-6	200-578-6 ethanol, ethyl alcohol				
	inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg Eye Irrit. 2; H319: >= 50 - 100					
78-93-3	201-159-0	Butanone	< 1 %			
	dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg					

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

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Call a physician immediately.

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

The following symptoms may occur::

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Intoxication. unconsciousness. Headache. drowsiness. vomiting. Dizziness.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. This information is not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam. Carbon dioxide (CO2). 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. 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.

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

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When using do not eat, drink, smoke, sniff. Keep out of the reach of children. Read label before use. Observe in addition any national regulations!

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Advice on protection against fire and explosion

Protect from sunlight. Store in a well-ventilated place. Keep only in the original container in a cool, well-ventilated place.

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: B

7.3. Specific end use(s)

SURFACE CLEANERS (liquid, powder, gel neat, spray neat) for consumer use

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
78-93-3	Butan-2-one (methyl ethyl ketone)	200	600		TWA (8 h)	WEL
		300	899		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
78-93-3	Butan-2-one	butan-2-one	70 µmol/L	urine	Post shift

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DNEL/DMEL values

CAS No	Substance						
DNEL type		Exposure route	Effect	Value			
64-17-5	ethanol, ethyl alcohol						
Worker DNEL,	acute	inhalation	local	1900 mg/m³			
Worker DNEL,	long-term	inhalation	systemic	950 mg/m³			
Worker DNEL,	long-term	dermal	systemic	343 mg/kg bw/day			
Consumer DN	EL, acute	inhalation	local	950 mg/m³			
Consumer DN	EL, long-term	inhalation	systemic	114 mg/m ³			
Consumer DN	EL, long-term	oral	systemic	87 mg/kg bw/day			
Consumer DN	EL, long-term	dermal	systemic	206 mg/kg bw/day			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol						
Consumer DN	EL, long-term	oral	systemic	26 mg/kg bw/day			
Worker DNEL,	long-term	dermal	systemic	888 mg/kg bw/day			
Consumer DNEL, long-term		dermal	systemic	319 mg/kg bw/day			
Worker DNEL,	long-term	inhalation	systemic	500 mg/m ³			
Consumer DN	EL, long-term	inhalation	systemic	89 mg/m³			

PNEC values

CAS No	Substance	
Environmen	tal compartment	Value
64-17-5	ethanol, ethyl alcohol	
Freshwater		0,96 mg/l
Marine wate	r	0,79 mg/l
Freshwater	sediment	3,6 mg/l
Marine sedir	nent	2,9 mg/l
Micro-organ	isms in sewage treatment plants (STP)	580 mg/l
Soil		0,63 mg/kg
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	
Freshwater		140,9 mg/l
Marine wate	r	140,9 mg/l
Freshwater	sediment	552 mg/kg
Marine sediment		552 mg/kg
Micro-organ	isms in sewage treatment plants (STP)	2251 mg/l
Soil		28 mg/kg

Additional advice on limit values

Take precautionary measures against static discharges.

8.2. Exposure controls







Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations. Exposure controls / Personal



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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: 0,7mm

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.

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:	liquid
Colour:	colourless
Odour:	characteristic
pH-Value:	9,5
Changes in the physical state	
Melting point:	not determined
Boiling point or initial boiling point and boiling range:	>78 °C
Flash point:	>23 °C
Flammability	
Solid/liquid:	not applicable
Gas:	not applicable
Explosive properties	
The product is not: Explosive. not e	explosive. In use, may form flammable/explosive vapour-air mixture.
Lower explosion limits:	3,5 vol. %
Upper explosion limits:	15 vol. %
Self-ignition temperature	
Solid:	not applicable
Gas:	not applicable



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Decomposition temperature:	not determined	
Oxidizing properties The product is not: oxidising.		
Vapour pressure:	not determined	
Density: Bulk density:	0,976 g/cm³ not applicable	
Water solubility:	easily soluble	
Solubility in other solvents not determined		
Partition coefficient n-octanol/water:	not determined	
Relative vapour density:	not determined	
Evaporation rate:	not determined	
2. Other information		
Solid content:	not determined	

SECTION 10: Stability and reactivity

10.1. Reactivity

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

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

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Refer to chapter 7. Take precautionary measures against static discharges.

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 In case of fire may be liberated: Carbon monoxide. Carbon dioxide. Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

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

Toxicocinetics, 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. No data available

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CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
64-17-5	ethanol, ethyl alcohol						
	oral	LD50 mg/kg	>2000	Rat			
	dermal	LD50 mg/kg	>2000	Rabbit			
	inhalation (4 h) vapour	LC50	>20 mg/l	Rat			
78-93-3	Butanone						
	oral	LD50 mg/kg	>2000	Rat			
	dermal	LD50 mg/kg	>2000	Rabbit			

Irritation and corrosivity

Based on available data, the classification criteria are not met. There are no data available on the mixture itself. No data available

Sensitising effects

Based on available data, the classification criteria are not met. There are no data available on the mixture itself. No data available

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. No data available

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.

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

Aspiration hazard

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

Specific effects in experiment on an animal

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

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.

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.



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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
64-17-5	ethanol, ethyl alcohol						
	Acute fish toxicity	LC50 mg/l	>100		Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Chlorella vulgaris		
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia magna		
78-93-3	Butanone						
	Acute fish toxicity	LC50 mg/l	>100	96 h	Pimephales promelas		
	Acute crustacea toxicity	EC50 mg/l	>100	48 h			

12.2. Persistence and degradability

The product has not been tested. No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,32

BCF

CAS No	Chemical name	BCF	Species	Source
64-17-5	ethanol, ethyl alcohol	0,66		

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.7. Other adverse effects

No data available

Further information

Avoid release to the environment. Mixture not tested. There are no data available on the preparation/mixture itself.

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. The waste codes are recommendations based on the scheduled use of this products. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

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



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List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Recommendation: Dispose of waste according to applicable legislation. E.g. Dispose of contents/container to industrial incineration plant. Or: Dispose of this material and its container to hazardous or special waste collection point. Do not empty into drains.

SECTION 14: Transport information

Land transport (ADR/RID)		
<u>14.1. UN number:</u>	UN 1987	
14.2. UN proper shipping name:	ALCOHOLS, N.O.S.	
<u>14.3. Transport hazard class(es):</u>	3	
<u>14.4. Packing group:</u>	III	
Hazard label:	3	
Classification code:	F1	
Special Provisions:	274 601	
Limited quantity: Excepted quantity:	5 L F1	
Transport category:	3	
Hazard No:	30	
Tunnel restriction code:	D/E	
Inland waterways transport (ADN)		
<u>14.1. UN number:</u>	UN 1987	
14.2. UN proper shipping name:	ALCOHOLS, N.O.S.	
14.3. Transport hazard class(es):	3	
<u>14.4. Packing group:</u>	III	
Hazard label:	3	
Classification code:	F1	
Special Provisions:	274 601	
Limited quantity:	5 L	
Excepted quantity:	E1	
Marine transport (IMDG)		
<u>14.1. UN number:</u>	UN 1987	
14.2. UN proper shipping name:	ALCOHOLS, N.O.S.	
14.3. Transport hazard class(es):	3	
<u>14.4. Packing group:</u>	III	
Hazard label:	3	

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Special Provisions:	223, 274			
Limited quantity:	5 L			
Excepted quantity: EmS:	E1 F-E, S-D			
14.5. Environmental hazards	,			
ENVIRONMENTALLY HAZARDOUS:	No			
14.6. Special precautions for user				
Warning: Combustible liquid.				
14.7. Maritime transport in bulk according	to IMO instruments			
No data available				
SECTION 15: Regulatory information				
15.1. Safety, health and environmental reg	ulations/legislation specific for the substance or mixture			
EU regulatory information				
Restrictions on use (REACH, annex XVII):			
Entry 3				
Information according to 2012/18/EU (SEVESO III):	P5c FLAMMABLE LIQUIDS			
Additional information				
Regulation (EC) No. 648/2004 (Deter 648/2004, annex 7: Yes.	gents regulation). Labelling for contents according to regulation (EC) No		
National regulatory information				
Employment restrictions:	Observe restrictions to employment for juveniles according to the work protection guideline' (94/33/EC).	e 'juvenile		
Water hazard class (D):	1 - slightly hazardous to water			
15.2. Chemical safety assessment				
Chemical safety assessments for sub	stances in this mixture were not carried out.			
SECTION 16: Other information				
Changes				
-	m the previous version in section(s): 4,5,6,7,8,9,10,14,15,16.			
These details refer to the products as				
Follow the instructions for use on the				

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



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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 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 Flam. Liq. 3; H226 On basis of test data

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
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.)