



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

### 1.1. Product identifier

Name of product Schneidölschaum Solis Ambo N4G

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

#### Identified uses

#### Sector of uses [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

#### Recommended intended purpose(s)

Technical aerosols

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

#### Manufacturer/distributor

joke Technology GmbH  
Asselborner Weg 14-16, D-51429 Bergisch Gladbach  
Phone +49 (0) 22 04 - 8 39 - 0, Fax +49 (0) 22 04 - 8 39 - 60  
E-Mail [info@joke.de](mailto:info@joke.de)  
Internet [www.joke.de](http://www.joke.de)

#### Advice

Stefan Spiegel  
Phone +49 (0) 22 04 - 8 39 - 77  
Fax +49 (0) 22 04 - 8 39 - 60  
E-mail (competent person):  
[s.spiegel@joke.de](mailto:s.spiegel@joke.de)

### 1.4. Emergency telephone number

#### Emergency advice

Vergiftungs-I-Z. Freiburg  
Phone +49 (0) 7 61 - 1 92 40  
REACH and CLP UK CA Help Desk; Telephone: +44  
171 635 9191

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Aerosol 1	H222, H229	
Eye Irrit. 2	H319	

#### Hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

#### Hazard statements for health hazards

H319	Causes serious eye irritation.
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### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02



GHS07

**Signal word**

Danger

**Hazard statements for physical hazards**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

**Hazard statements for health hazards**

H319 Causes serious eye irritation.

**Precautionary Statements**

**General**

P102 Keep out of reach of children.

**Prevention**

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.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.

**Storage**

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P412 Do not expose to temperatures exceeding 50°C/122°F.

**Disposal**

P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

**Supplemental Hazard information (EU)**

**Physical properties**

In use may form flammable/explosive vapour-air mixture.

**2.3. Other hazards**

**Information pertaining to special dangers for human and environment**

Bei extensivem Gebrauch können sich brennbare / entzündbare Dampf- Luftgemische bilden.

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.



## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
107-41-5	203-489-0	2-methylpentane-2,4-diol	1 <= 2,5	Eye Irrit. 2, H319 / Skin Irrit. 2, H315
111-46-6	203-872-2	diethylene glycol	1 <= 2,5	Acute Tox. 4, H302
115-10-6	204-065-8	dimethylether	10 < 25	Flam. Gas 1, H220 / Press. Gas
7664-38-2	231-633-2	phosphoric acid ... %	1 <= 2,5	Skin Corr. 1B, H314
57635-48-0		Alkylpolyglykoethercarbonsaeure	2,5 < 2,9	Eye Irrit. 2, H319

#### Additional advice

Highly refined base oil (IP 346 DMSO extract <3%).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

#### In case of ingestion

Do not induce vomiting.

Medical treatment.

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

No information available.

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

No information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

#### Unsuitable extinguishing media

Full water jet



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

No information available.

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Do not inhale explosion and/or combustion gases.

**Additional information**

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

High risk of slipping due to leakage/spillage of product.

**For emergency responders**

Remove persons to safety.

Keep away sources of ignition.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

High risk of slipping due to leakage/spillage of product.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

In case of pollution of waters or sewers, inform the competent authorities.

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

Allow to vaporise.

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

Disposal according to regulations.

**6.4. Reference to other sections**

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

**General protective measures**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.



### Hygiene measures

At work do not eat, drink, smoke or take drugs.  
Remove soiled or soaked clothing immediately.  
Work in rooms with good ventilation.  
Wash hands before breaks and after work.

### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking  
Vapours can form an explosive mixture with air.  
Take precautionary measures against static discharges.  
Avoid effect of heat.  
Do not spray against flames or glowing bodies.  
Container is under pressure.

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

#### Advice on storage compatibility

Do not store together with animal feedstuffs.  
Do not store together with food.  
Do not store together with oxidizing agents.

#### Further information on storage conditions

Keep container tightly closed and store at cool and aired place.  
Protect from heat and direct solar radiation.  
15 - 35 °C

#### Information on storage stability

Storage time: 24 months.

**Storage group** 2B

### 7.3. Specific end use(s)

#### Recommendation(s) for intended use

See section 1.2

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
115-10-6	dimethylether	8 hours	1920	1000	
7664-38-2	phosphoric acid	8 hours	1		
		Short-term	2		

#### Additional advice

The national and local legal regulations are to be observed.

### 8.2. Exposure controls

#### Respiratory protection

If ventilation insufficient, wear respiratory protection.  
Short term: filter apparatus, filter AX

#### Hand protection

Information on glove material: NBR (nitrile rubber), Thickness:> 0,4 mm, Breakthrough time (maximum wearing time):> 480 min.



**Eye protection**  
 tightly fitting goggles

**Other protection measures**  
 protective clothing

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b> aerosol	<b>Colour</b> light yellow	<b>Odour</b> characteristic
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**Odour threshold**  
 not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	7 - 8				
<b>starts to boil</b>	-24 °C				
<b>Melting point / Freezing point</b>	No data available				
<b>Flash point</b>	not applicable				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	235 °C				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	2,6 Vol-%				
<b>Upper explosion limit</b>	18,6 Vol-%				
<b>Vapour pressure</b>	3500 - 5000 hPa	20 °C			
<b>Relative density</b>	0,965 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					miscible
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				



	Value	Temperature	at	Method	Remark
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>					not applicable
<b>Viscosity</b>					not applicable
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	No information available.				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.  
stable

### 10.3. Possibility of hazardous reactions

Danger of bursting container.

### 10.4. Conditions to avoid

High temperatures, ignition sources, incompatible materials  
Formation of explosive gas/air mixtures.

### 10.5. Incompatible materials

#### Substances to avoid

Oxidising agent

### 10.6. Hazardous decomposition products

Pyrolysis products, toxic

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	3700 mg/kg	rat		CAS-Nr. 107-41-5
<b>LD50 acute dermal</b>	11890 mg/kg	rabbit		CAS-Nr. 111-46-6
<b>Skin irritation</b>	low irritant effect - not necessary to label			



	Value/Validation	Species	Method	Remark
<b>Eye irritation</b>	low irritant - no labeling duty			
<b>Skin sensitization</b>	No data available			
<b>Sensitization respiratory system</b>	no			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>				No information available.
<b>Subchronic Toxicity</b>				No information available.
<b>Chronic Toxicity</b>				No information available.
<b>Mutagenicity</b>				No data available
<b>Reproduction-Toxicity</b>				No data available
<b>Carcinogenicity</b>				No data available

**Specific target organ toxicity (single exposure)**

May cause drowsiness or dizziness.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Experiences made from practice**

No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	No data available			
<b>Biological degradability</b>	No data available			

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.





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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

No information available.

#### General regulation

Toxic to aquatic organisms, with long-term effects.

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

Harmful to fishes and bacteria.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Waste code No.

15 01 04

16 05 04\*

##### Name of waste

metallic packaging

gases in pressure containers (including halons) containing hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

#### Recommendations for the product

Remove in accordance with local official regulations.

Dispose of as hazardous waste.

#### Recommendations for packaging

Dispose of according to official regulations.

#### Recommended cleansing agent

water

### SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	Druckgaspackungen, entzündbar	Aerosols, flammable	Aerosols, flammable
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	n.a.	n.a.	n.a.
14.5. Environmental hazards	Yes	Yes	Yes

#### 14.6. Special precautions for user

No information available.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code



No information available.

**Land and inland navigation transport ADR/RID**

Tunnel restriction code D

Classification code 5F

**Marine transport IMDG**

MARINE POLLUTANT

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**SECTION 15: Regulatory information**

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

**VOC standard**

**VOC content** 17,3 %

**National regulations**

**Restriction of occupation**

Observe employment restrictions for young people.

Observe employment restrictions for mothers-to-be and nursing mothers.

**Water hazard class** 2 AwSV  
clearly hazardous to water

**Technical instruction air**

**Class I** Ziffer 5.2.5 Anteil 10 - 25 %

**15.2. Chemical Safety Assessment**

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

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**SECTION 16: Other information**

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

H220 Extremely flammable gas.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.