

Date of issue: 17.01.2017 Replaces Data Sheet of: 18.05.2015

"*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade Name: Guncoating
Article No.: n.av.
Preparation No.: n.av.
Registration No.: n.ap.

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

Identified uses: cleaning agent

1.3 Details of the supplier of the safety data sheet**1.3.1 Address of the Company / Supplier:**

Fluna Tec & Research GmbH, Dr. Hans Lechnerstraße 6, A- 5071 Wals
Telephone: +43 7750 38426-70, Telefax: +43 7750 38426-79, E-Mail: office@flunatec.com

1.3.2 Responsible for the data sheet:

CoSiChem AG, Ernst-Lemmer-Straße 23, D - 35041 Marburg, info@cosichem.de

1.4 Emergency telephone number

Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
Telephone: +43 664 2663909 (8:30 – 16:30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification and labelling according to Directive 1272/2008/EC:**

Aerosol 1; H222 H229

2.2 Label elements

Classification according to 1272/2008/EC: Yes.

Applicable Exemptions: Yes.

Signal word(s): Danger

Component(s):

Hazard pictogram(s):

**H - Phrases:**

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

P - Phrases:

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.

Additional Markings:

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

The above mentioned labelling is valid for distribution to private consumer.

2.3 Other hazards

This mixture contains no substances which are assessed to be PBT or vPvB.

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SECTION 3: Composition/information on ingredients**3.1 Substances**

n.ap.

3.2 Mixtures**Chemical Characterisation:**

aerosol

Dangerous Ingredients:

Material	CAS - No.	Index - No.	EC - No.	REACH - No.	m% - range
Butan 106-97-8 Flam. Gas 1; H220 / Liq. Press. Gas; H280		601-004-00-0	203-448-7	01-2119474691-32-xxxx	25 - 50%
Propan 74-98-6 Flam. Gas 1; H220 / Liq. Press. Gas; H280		601-003-00-5	200-827-9	01-2119486944-21-xxxx	10 - 25%
Naphtha (Erdöl), mit Wasserstoff behandelt, schwer 64742-48-9 (Carc. 1B; H350 / Muta. 1B; H340 / Asp. Tox. 1; H304) Anm. H, P; 4 Asp. Tox. 1; H304		649-327-00-6	265-150-3	n.av.	2,5 - 10%

Text of H - phrases: see section 16

m% - range: x - y \triangleq x \geq - < y**SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

Move out of dangerous area. Move to fresh air. If symptoms persist, call a physician.

4.1.2 Skin Contact:

Wash off immediately with plenty of water. If skin irritation persists, call a physician.

4.1.3 Eye Contact:

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

4.1.4 Ingestion:

n.ap.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO₂, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon oxides

5.3 Advice for firefighters**5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

Cool containers / tanks with water spray.

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SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
 See chapter 8.2.2
 Ensure adequate ventilation. Keep away from heat and sources of ignition.
- 6.2 **Environmental precautions**
 Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
 Soak up with inert absorbent material. Treat recovered material as described in the section "Disposal considerations".
- 6.4 **Reference to other sections**
 None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling:**
 Do not inhale aerosol. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and at the end of workday.
- 7.1.2 **Precautions in Case of Fire and Explosion:**
 Vapours may form explosive mixture with air. Keep away from sources of ignition - No smoking.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**
 Ensure adequate ventilation.
- 7.2.2 **Store away from:**
 Incompatible with oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions:**
 Conditions to avoid: Extremes of temperature and direct sunlight.
- 7.3 **Specific end use(s)**
 n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**
- | Material | Limit Value |
|--|--------------------|
| Butan | AGW 1000 ppm |
| Propan | AGW 1000 ppm |
| Naphtha (Erdöl), mit Wasserstoff behandelt, schwer | AGW 300 ppm |
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**
 Use only in well-ventilated areas. Take measures to prevent the build up of electrostatic charge.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.
- 8.2.2b **Hand Protection:** solvent-resistant gloves: rubber gloves. Break through time > 8h
 Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c **Eye Protection:** safety glasses
- 8.2.2d **Skin Protection:** lightweight protective clothing
- 8.2.2e **Further Information:** Observe wearing time limits:
- 8.2.3 **Environmental exposure controls:**
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: aerosol	Colour: colourless	Odour: characteristic
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	n.ap.	
	pH-value, 1% aqueous solution:	n.ap.	
9.1.3	Boiling point / Boiling - range (°C):	< 70, Melting point / Melting range (°C):	n.av.
9.1.4	Flash point (°C):	< 21, closed cup	
9.1.5	Flammability (EEC A10/A13):	n.av.	
9.1.6	Ignition temperature (°C):	n.av.	
9.1.7	Autoflammability (EEC A16):	n.ap.	
9.1.8	Oxidising properties:	None.	
9.1.9	Explosion hazard:	No.	
9.1.10	Explosion limits (Vol.%) lower:	2,1 ; Propan/1,5 Butan, upper: 9,5 ; Propan/ 8,5 ; Butan	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	< 1	
9.1.13	Solubility (in Water):	miscible	Soluble in: most organic solvents
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	n.av.	
9.1.16	Solvent content (m %):	40 - 60%	
9.1.17	Thermal decomposition (°C):	n.ap.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

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

at high temperatures Risk of receptacle bursting.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazards to be specially mentioned.

10.4 Conditions to avoid

Heat, flames and sparks. Take measures to prevent the build up of electrostatic charge. Vapours may form explosive mixture with air.

10.5 Incompatible materials

Incompatible with oxidizing agents.

10.6 Hazardous decomposition products

No dangerous reaction known under conditions of normal use.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute Health Effects:
 Inhalation: n.av.
 Ingestion: n.av.
 Skin Contact: n.av.
 Skin corrosion / irritation: slight irritation
 Serious eye damage / irritation:
 Respiratory or skin sensitisation: n.av.
 Germ cell mutagenicity: n.av.
 Carcinogenicity: n.av.
 Reproductive toxicity: n.av.
 STOT-single exposure: n.av.
 STOT-repeated exposure: n.av.
 Aspiration hazard: n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

n.av.

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information**12.1 Toxicity**

Readily biodegradable, according to appropriate OECD test. Can be eliminated from water by flocculation.

12.2 Persistence and degradability

The product is insoluble and floats on water. The product evaporates slowly.

12.3 Bioaccumulative potential

For ecological information on compounds of each preparation refer to attached material safety data sheets.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

n.av.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD5-Value, mg/g: n.av.

12.6.3 AOX-Remarks: Not relevant

12.6.4 Significant Components: None.

12.6.5 Other adverse effects: None.

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

13.1.1 Recommendation: D 10 / R 1

Waste - Code - No.: 16 05 05

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 Contaminated Packaging




13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Offer rinsed packaging material to local recycling facilities.

13.2.2 Safe Handling: As described under Residues. No dangerous reaction known under conditions of normal use.

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SECTION 14: Transport information

	ADR	IMDG	IATA
14.1	UN number 1950	1950	1950
14.2	UN proper shipping name UN 1950 Aerosols	Aerosols	Aerosols, flammable
14.3	Transport hazard class(es) 2 	2 	2.1 
14.4	Packing group n.ap.	n.ap.	n.ap.
14.5	Environmental hazards	No.	
14.6	Special precautions for user Transport category: 2 Classification Code: 5F Hazard - No.: n.ap. LQ: 1 L	F-D , S-U	Packing Instructions (Passenger) 203 Packing Instructions (Cargo) 203
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	None.	

SECTION 15: Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture n.av.
15.2	Chemical safety assessment : n.ap.

SECTION 16: Other information**Text of H phases mentioned in Section 3**

EUH066: Repeated exposure may cause skin dryness or cracking.

H220: Extremely flammable gas.

H304: May be fatal if swallowed and enters airways.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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