

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010

**FreiLacke**

Article No.: Spruehdose2 ACRYL-Decklack 100132 EN  
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**JACOB**  
NO. 1 IN TUBING SYSTEMS

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifiers:**

Article No. (manufacturer/supplier): Spruehdose2  
Identification of the substance or mixture: ACRYL-Decklack  
Artikelnr. 590xxx

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

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

**supplier (manufacturer/importer/downstream user/distributor)**

Emil Frei GmbH & Co.KG

Döggingen

Am Bahnhof 6

D - 78199 Bräunlingen, Germany

Telephone: + 49 (0) 7707/151-0

Telefax: + 49 (0) 7707/151-238

E-mail info@freilacke.de

homepage: www.freilacke.de

**Dept. responsible for information:**

Product Safety

E-mail

info@freilacke.de

**1.4. Emergency telephone number**

Emergency telephone number

GBK Gefahrgut Büro GmbH, + 49 (0) 6132-84463  
(24-Hour-Number)

**2. Hazards identification**

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

**Classification according to Directive 67/548/EEC or 1999/45/EC**

This mixture is classified as hazardous according to 1999/45/EC.

F+; R12

Extremely flammable

Extremely flammable

Xi; R36

Irritant

Irritating to eyes.

R66

Repeated exposure may cause skin dryness or cracking.

R67

Vapours may cause drowsiness and dizziness.

**2.2. Label elements**

**Labelling (67/548/EEC or 1999/45/EC)**



F+ Extremely flammable



Xi Irritant

**Hazard statements**

12

Extremely flammable

36

Irritating to eyes.

66

Repeated exposure may cause skin dryness or cracking.

67

Vapours may cause drowsiness and dizziness.

**Precautionary statements**

2

Keep out of reach of children.

16

Keep away from sources of ignition. - No smoking.

23

Do not breathe gas/fumes/vapour/spray.

24/25

Avoid contact with skin and eyes.

29/56

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

46

If swallowed, seek medical advice immediately and show this container or label.

51

Use only in well-ventilated areas.

**contains:**

not applicable

**Special provisions concerning the labelling of certain mixtures**

96

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do

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97 not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

### 2.3. Other hazards

## 3. Composition / Information on ingredients

### 3.2. Mixtures

#### Product description / chemical characterization

**Description** Mixture from in the following stated materials with harmless admixtures

#### Hazardous ingredients

#### Classification according to Directive 67/548/EEC or 1999/45/EC

EC No. CAS No. INDEX No.	REACH No. Chemical name classification:	Wt % Remark
200-662-2 67-64-1 606-001-00-8	acetone F; R11 / Xi; R36 / R66 / R67	25 < 50
204-658-1 123-86-4 607-025-00-1	n-butyl acetate R10 / R66 / R67	12,5 < 20
203-448-7 106-97-8 601-004-00-0	butane F+; R12	12,5 < 20
204-065-8 115-10-6 603-019-00-8	dimethyl ether F+; R12	12,5 < 20 *
200-827-9 74-98-6 601-003-00-5	propane F+; R12	10 < 12,5
203-603-9 108-65-6 607-195-00-7	2-methoxy-1-methylethyl acetate R10	5 < 10 *

#### Additional information

Full text of R-phrases: see section 16.

## 4. First-aid measures

### 4.1. Description of first aid measures:

#### General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

#### After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do not induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

### 5. Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

##### Extinguishing media which must not be used for safety reasons:

strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

#### 5.3. Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

##### Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

### 6. Accidental release measures

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

#### 6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

### 7. Handling and storage

#### 7.1. Precautions for safe handling

##### Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

##### Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

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

##### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)".

##### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

##### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 25 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access

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only for authorised persons. Store carefully closed containers upright to prevent any leaks.

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

Observe technical data sheet. Observe instructions for use.

**8. Exposure controls / Personal protection**

8.1. **Control parameters**

EC No. CAS No.	Description	type	Limit value		Unit
			STEL (EC)	TWA (EC)	
200-662-2 67-64-1	acetone		3620 1500	1810 500	mg/m <sup>3</sup> ppm
204-658-1 123-86-4	n-butyl acetate		966 200	724 150	mg/m <sup>3</sup> ppm
203-448-7 106-97-8	butane		1810 750	1450 600	mg/m <sup>3</sup> ppm
204-065-8 115-10-6	dimethyl ether		958 500	766 400	mg/m <sup>3</sup> ppm
203-603-9 108-65-6	2-methoxy-1-methylethyl acetate		548 100	274 50	mg/m <sup>3</sup> ppm

**Additional information**

TWA (EC): occupational exposure limit value  
 STEL (EC): short-term occupational exposure limit value

8.2. **Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

**Occupational exposure controls**

**Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number. Filter type: A

**Dand protection**

For prolonged or repeated handling the following glove material must be used:  
 Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.  
 Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374  
 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye protection**

Wear closely fitting protective glasses in case of splashes.

**Protective clothing**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

**9. Physical and chemical properties**

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

**Appearance:**

**Physical state**

**Colour** see under point 1 "Product Name a. Code"  
**Odour** typical

Safety relevant basis data	Unit	Method	Remark
<b>Flash point:</b>	not applicable °C	--	
<b>Ignition temperature in °C:</b>	not applicable °C	--	
<b>lower explosion limit</b>	1,2 Vol-%	--	
<b>Upper explosion limit</b>	18,0 Vol-%	--	

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<b>Vapour pressure at °C:: 20</b>	8300,00 mbar	
<b>Density at °C:: 20</b>	0,78 g/cm <sup>3</sup>	--
<b>Water solubility (g/L)</b>	not soluble	
<b>pH value at °C:: 20</b>	not applicable	--
<b>Viscosity at °C:: 20</b>	0	cup
<b>Solvent separation test (%)</b>	< 3 %	
<b>Solid content (%):</b>	0 Wt %	
<b>solvent content:</b>		
<b>Organic solvents::</b>	0 Wt %	
<b>Water:</b>	0 Wt %	
<b>Boiling temperature/boiling range</b>	not applicable °C	--

9.2. **Other information:**

**10. Stability and reactivity**

10.1. **Reactivity**

10.2. **Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. **Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. **Conditions to avoid**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. **Incompatible materials**

10.6. **Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

**11. Toxicological information**

No data on preparation itself available.

11.1. **Information on toxicological effects**

**Acute toxicity**

Toxicological data are not available.

**Irritant and corrosive effects**

Toxicological data are not available.

**Sensitisation**

Toxicological data are not available.

**Specific target organ toxicity**

Toxicological data are not available.

**Aspiration hazard**

Toxicological data are not available.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Toxicological data are not available.

**Practical experience/human evidence**

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**Overall Assessment on CMR properties**

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2. according to 67/548/EEC.

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There is no information available on the preparation itself . The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

## 12. Ecological information

### overall evaluation

There is no information available on the preparation itself .  
Do not allow to enter into surface water or drains.

### 12.1. Toxicity

No information available.

### Long-term Ecotoxicity

Toxicological data are not available.

### 12.2. Persistence and degradability

Toxicological data are not available.

### 12.3. Bioaccumulative potential

Toxicological data are not available.

### Bioconcentration factor (BCF)

Toxicological data are not available.

### 12.4. Mobility in soil

Toxicological data are not available.

### 12.5. Results of PBT assessment

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

### 12.6. Other adverse effects

## 13. Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

#### List of proposed waste codes/waste designations in accordance with EWC

080111	waste paint and varnish containing organic solvents or other dangerous substances
150111	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers

#### packaging

#### Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

## 14. Transport information

### 14.1. UN number

1950

### 14.2. UN proper shipping name

Land transport (ADR/RID):	Aerosols, flammable
Sea transport (IMDG):	AEROSOLS
Air transport (ICAO-TI / IATA-DGR):	Aerosols, flammable

### 14.3. Transport hazard class(es)

2.1

### 14.4. Packing group

not applicable

### 14.5. Environmental hazards

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Land transport (ADR/RID) not applicable  
Marine pollutant not applicable

**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Additional information**

**Land transport (ADR/RID)**

tunnel restriction code D

**Sea transport (IMDG)**

EmS-No. F-D,S-U

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

not applicable

**15. Regulatory information**

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

**EU legislation**

**Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).**

VOC-value (in g/L) ISO 11890-2: 715

VOC-value (in g/L) ASTM D 2369: 715

**National regulations**

**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the "juvenile work protection guideline" (94/33/EC).

**Other regulations, restrictions and prohibition regulations**

**15.2. Chemical Safety Assessment**

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

**16. Other information**

**Wording of the R-phrases under paragraph 3:**

F; R11	Highly flammable	Highly flammable
Xi; R36	Irritant	Irritating to eyes.
R66		Repeated exposure may cause skin dryness or cracking.
R67		Vapours may cause drowsiness and dizziness.
R10		Flammable
F+; R12	Extremely flammable	Extremely flammable

**Additional information**

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.