

MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31



15962202

Reviewed on: 11.06.2009

01 Identification of the substance/preparation and of the company/undertaking

• *Product details*

- Trade name:
Spraydosen 400 ml SENOTHERM-Metalleffektlack 17-1644-703571

- Article number:
703571

Intended use:
Industrial applications

- Manufacturer/Supplier:
WEILBURGER Coatings GmbH
Ahäuserweg 12-22
D-35781 Weilburg
Telefon: 00496471 315-0
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- Further information obtainable from:
Product safety department.
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02 Hazards identification

• *Hazard description:*



F+ Extremely flammable



Xn Harmful

• *Information concerning particular hazards for human and environment:*

- R 12 Extremely flammable.
- R 20/21 Harmful by inhalation and in contact with skin.
- R 36 Irritating to eyes.
- R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 66 Repeated exposure may cause skin dryness or cracking.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do 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.
Buildup of explosive mixtures possible without sufficient ventilation.
Keep out of the reach of children

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

• *Classification system:*

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

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PRODUCT : Spraydosen 400 ml SENOTHERM-Metalleffektlack 17-1644-703571*(continued of page 1)***03 Composition/information on ingredients**

- **Chemical characterization**

- Description:
Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

CAS NO.	Description Index R-phrases	%
67-64-1	acetone EINECS: 200-662-2 F Xi 11-36-66-67	25,01- 50,00
106-97-8	butane EINECS: 203-448-7 F+ 12	10,01- 25,00
100-41-4	ethylbenzene EINECS: 202-849-4 F Xn 11-20	2,51- 10,00
1330-20-7	xylene EINECS: 215-535-7 Xn 10-20/21-38	10,01- 25,00
108-65-6	2-methoxy-1-methylethyl acetate EINECS: 203-603-9 Xi 10-36	1,01- 02,50
64742-95-6	Solvent naphtha (petroleum), light arom. EINECS: 265-199-0 N Xn 10-37-51/53-65-66-67	0,001- 1,00
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy EINECS: 265-185-4 N Xn 10-51/53-65-66-67	2,51- 10,00
95-63-6	1,2,4-trimethylbenzene EINECS: 202-436-9 N Xn 10-20-36/37/38-51/53	0,001- 1,00

- Additional information:
For the wording of the listed risk phrases refer to section 16.

04 First aid measures

- **General information:**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

- **After inhalation:**

Remove to fresh air, keep patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

- **After skin contact:**

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Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.

- **After eye contact:**
Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
- **After swallowing:**
If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

05 Fire-fighting measures

- **Suitable extinguishing agents:**
alcohol resistant foam, CO₂, powder, water spray/mist
- **For safety reasons unsuitable extinguishing agents:**
water jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be hazardous to health.
- **Protective equipment:**
Appropriate self-contained breathing apparatus may be required.
- **Additional information**
Cool closed containers exposed to fire with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.

06 Accidental release measures

- **Person-related safety precautions:**
Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.
- **Measures for environmental protection:**
Do not allow to enter drains or water courses. If the product enters drains or sewewrs the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.
- **Measures for cleaning/collecting:**
Absorb liquid components with liquid-binding material.

07 Handling and storage

- **Handling:**
 - Information for safe handling:
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. The product may charge electrostatically. Use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing. Non-sparking tools should be used. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see Section 8.
- **Storage:**
 - Requirements to be met by storerooms and receptacles:
Observe official regulations on storing packagings with pressurized containers.
 - Information about storage in one common storage facility:
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

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- Further information about storage conditions:
Protect from heat and direct sunlight.
Store under lock and key and out of the reach of children.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

08 Exposure controls/personal protection

- **Additional information about design of technical facilities:**

Ensure good ventilation/exhaustion at the workplace.

- **Ingredients with limit values that require monitoring at the workplace:**

CAS No.	Designation of material		
67-64-1	acetone		
WEL			
	Short-term value	3620	mg/m ³
		1500	ppm
	Long-term value	1210	mg/m ³
		500	ppm
106-97-8	butane		
OEL			
	Short-term value	1810	mg/m ³
		750	ppm
	Long-term value	1450	mg/m ³
		600	ppm
100-41-4	ethylbenzene		
WEL			
	Short-term value	552	mg/m ³
		125	ppm
	Long-term value	441	mg/m ³
		100	ppm
1330-20-7	xylene		
WEL			
	Short-term value	441	mg/m ³
		100	ppm
	Long-term value	220	mg/m ³
		50	ppm
	Sk; BMGV		
108-65-6	2-methoxy-1-methylethyl acetate		
WEL			
	Short-term value	548	mg/m ³
		100	ppm
	Long-term value	274	mg/m ³
		50	ppm
	Sk		

- Additional information:
The lists that were valid during the creation were used as basis.

- **Personal protective equipment:**

- General protective and hygienic measures:
All parts of the skin should be washed after contact.
- Respiratory protection:

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- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- Short term filter device:
Filter A/P2
- Protection of hands:
To avoid skin problems reduce the wearing of gloves to the required minimum.
Avoid direct contact with the chemical/ the product/ the preparation by organizational measures.
Check protective gloves prior to each use for their proper condition.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.
If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.
Solvent resistant gloves
 - Eye protection:
Eye protection designed to protect against liquid splashes should be worn.
 - Body protection:
Cotton or cotton/synthetic overalls or coveralls are normally suitable.

09 Physical and chemical properties**General Information**

Form:	Aerosol
Colour:	metallic
Odour:	Like solvents

Change in condition

Boiling point/Boiling range:	-44 °C Not applicable, as aerosol.	
Flash point:	-97 °C Not applicable, as aerosol.	
Ignition temperature:	365 °C	
Explosion limits:		
Lower:	0,80 Vol %	
Upper:	13 Vol %	
Vapour pressure:	at 20 °C	8.000,0000 HPa
Density:	Not determined.	
Solubility in / Miscibility with water:	Not miscible or difficult to mix.	
Solvent content:		
Organic solvents:	89,01 %	
Solids content:	10,99 %	

10 Stability and reactivity

- **Conditions to be avoided:**
Staple under the recommended storage and handling conditions (see Section 7).
- **Dangerous decomposition products:**
In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced.

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11 Toxicological information

- **Practical knowledge**

Other observations:

Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage.

General comment:

There is no data available on the product itself.

12 Ecological information

There is no data available on the product itself. The product should not to be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

13 Disposal considerations

- **Product:**

- Recommendation

After prior treatment product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste. Do not allow into drains or water courses or dispose of where ground or surface waters may be effected.

- **Uncleaned packaging:**

- Recommendation:

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

- **Land transport ADR/RID (cross-border)**

ADR/RID class:	2 Gases.
Danger code (Kemler):	23
UN-Number:	1950
Packaging group:	-
Hazard label:	2.1
	
Description of goods:	1950 AEROSOLS
Limited quantities (LQ)	LQ2
Transport category	2
Tunnel restriction code	B1D

- **Maritime transport IMDG:**

IMDG Class:	2.1
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2.1

**Packaging group:** -**EMS Number:** F-D,S-U**Proper shipping name:** AEROSOLS

- **Air transport ICAO-TI and IATA-DGR:**

ICAO/IATA Class: 2.1**UNID Number:** 1950**Label**

2.1

**Packaging group:** -**Proper shipping name:** AEROSOLS**15 Regulatory information**

- **Labelling according to EU guidelines:**

- Code letter and hazard designation of product:



F+ Extremely flammable



Xn Harmful

- Hazard-determining components of labelling:

acetone/ xylene

- Risk phrases:

R 12 Extremely flammable.
 R 20/21 Harmful by inhalation and in contact with skin.
 R 36 Irritating to eyes.
 R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R 66 Repeated exposure may cause skin dryness or cracking.

- Safety phrases:

S 16 Keep away from sources of ignition - No smoking.
 S 23 Do not breathe spray.
 S 36/37 Wear suitable protective clothing and gloves.
 S 38 In case of insufficient ventilation, wear suitable respiratory equipment.

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- S 51 Use only in well-ventilated areas.
- S 3 Keep in a cool place.
- S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- Special labelling of certain preparations:
 - Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do 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.
 - Buildup of explosive mixtures possible without sufficient ventilation.
 - Keep out of the reach of children
 - Labeled as aerosol under § 6(4,5) Ordinance on Hazardous Materials (GefStoffV): Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Do not spray into open flame and onto glowing surfaces.
 - **National regulations:**
 - Classification according to VbF:
 -
 - Waterhazard class:
 - Water hazard class 2: hazardous for water.

16 Other information

The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP regulation. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance of health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitable for particular applications.

- Relevant R-phrases
 - R 10 Flammable.
 - R 11 Highly flammable.
 - R 12 Extremely flammable.
 - R 20/21 Harmful by inhalation and in contact with skin.
 - R 20 Harmful by inhalation.
 - R 36 Irritating to eyes.
 - R 37 Irritating to respiratory system.
 - R 36/37/38 Irritating to eyes, respiratory system and skin.
 - R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - R 38 Irritating to skin.
 - R 66 Repeated exposure may cause skin dryness or cracking.
 - R 65 Harmful: may cause lung damage if swallowed.
 - R 67 Vapours may cause drowsiness and dizziness.

- **Department issuing MSDS:**

- Product safety department.

- **Contact:**

- Roland Hofmann Tel. +49 (0) 6471 315 177 Fax +49 (0) 69 8603 5177 email: R.Hofmann@grebe.de

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- * Data compared to the previous version altered.