

Safety data sheet

Acc. Regulation (EC) No 1907/2006

Date: 13.11.2014

Rev. 05

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Identification of the substance or preparation

Product name: PYRO-SAFE Dekorlack SP-2

Use of the substance/preparation

Recommended use: Coating for intumescent fire protection

Producer

svt Brandschutz Vertriebsgesellschaft mbH International
Gluesinger Str. 86
D-21217 Seevetal
Tel +49-4105-4090-0
msds@svt.de

Emergency phone

DE: +49-172-4090-400
Department: Central Technology

2. HAZARD IDENTIFICATION

Classification

- This product is not classified as hazardous material acc. to Directive 1999/45/EC.

Hazard to human and environment

- In case of proper use it is not expected to be hazardous to human and environment.

Additional information

- Slip hazard – product forms slippy film.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

substance preparation

Hydrous plastic dispersion

Name	CAS-No	EINECS	Symbol(s)	R-phrases	Concentration
Ammoniak		215-647-6	C,N	34/50	0,1 – 1,0 %
2-(2-Methoxyethanol		203-906-6	Xn	63	1,0 – 2,5 %
1-(2-Butoxypropoxy)-2-propanol			Xn	21/22	0,1 – 1,0 %

4. FIRST AID MEASURES

General information

- Immediately take off damp clothing.

Inhalation

- Remove affected victim from exposure and provide for fresh air.
- Call for prompt medical advice in case of trouble in breathing.

Eye contact

- IMMEDIATELY rinse eyes with plenty of water for at least 15 minutes ensuring eyelids are held open.
- Obtain medical advice if any pain persists.

Skin contact

- Wash affected skin with water and soap.
- In case of heavy contact: obtain medical advice.

Ingestion

- Rinse mouth. Spit liquid.
 - Give 1 to 2 glasses of water (slowly).
 - Obtain medical advice.
-

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

- Foam, carbon dioxide, extinguishing powder, water spray

Extinguishing media which must not be used for safety reasons

- Never use full water jet

Special exposure hazards

- Remove affected container from danger zone. Pay attention on self-protection!
- Increase in pressure, danger of bursting or explosion because of heating. Cool affected container with water spray.
- Forming of dangerous gases / vapours is possible in case of a fire in the surroundings too (see section 10).
- Fire produces deep and black smoke. Respiration of dangerous decomposition products can cause serious health injuries.

Special equipment for fire-fighters

- Use self-contained breathing apparatus when right next to the fire or in closed rooms.
- Clean equipment after use (Shower, clean and check clothing carefully).

Further precautions

- Keep use of water under control according to possible environmental endangering (see section 6).
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions

- Pay attention to measurements according to section 8.
- Product forms slippery film.
- Avoid direct contact with the product.
- Do not breathe vapours/aerosols.

Environmental precautions

- Inform appropriate authorities if considerable quantities of the product are released.
- Prevent release into water, drainage, sewer or the ground.

Methods for cleaning

- Take up with inert material (e.g. sand, earth, absorbing material).
 - Collect in a closed, labelled and product resistant container.
 - Concerning disposal see section 13.
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7. HANDLING AND STORAGE

Handling

- Close container after use.
- Do not breathe vapour/aerosol.
- See "Technical data sheet" regarding more information on use and handling.

Storage

- Store in closed original packaging.
- Store at a dry and well-ventilated place at temperatures between +5°C und +25°C.
- Prevent extreme heat and low temperatures.
- Avoid direct sunlight.
- Avoid ignition sources
- Keep away from strong acid and alkaline material as well as oxidants

Specific use(s)

- Ask supplier before special use.

Further precautions

- Inform personnel about dangerous product.
 - Do not handle closed to food, drink or animal feeding stuffs.
 - VCI storage class 12 – non-flammable liquids (Germany).
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

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Exposure controls

- Pay attention to measurements according to section 7.
- Install sufficient suction at the place of release of vapours.

Occupational exposure controls

Respiratory protection

- In case of short-term or low exposure use particle filter P2.
- At intensive or longer exposure use self-contained breathing apparatus.
- Use only equipment according to international/national regulations.

Hand protection

- Chemical resistant gloves
- Recommended material: butyl rubber, nitril rubber, fluoro rubber, PVC

Eye protection

- Glasses with side protection
- Glasses have to be compatible to used respiratory protection equipment.

Skin protection

- Work clothing and anti-slip shoes.

Hygiene measures

- Shower and eye shower.
- Do not eat, drink and smoke at work.
- Immediately take off damp clothing.
- Wash hands before break and after work.
- Ask doctor or safety manager to choose suitable personal protective equipment that fits to work conditions.

Limitation and control of environmental exposure

- Pay attention to local and national sewer regulations (see section 15).

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance: viscous liquid
Colour: white, RAL sh.
Odour: nearly without

Important health, safety and environmental information

pH value: 8,5 – 9,0 (10% in water)
Boiling point/range: approx. 100°C
Flash point: 194°C
Flammability: no data
Explosion limit: highest: 0,6 Vol.%
Lowest: 20,4 Vol.%
Density: 1.05 – 1.35 g/cm³
Temperature: 20°C
Vapour pressure: no data
Solubility: soluble in water
Solvent content: 6.5 %
Partition coefficient: no data
(n-octanol/water)

Other information

Melting point/range: no data
Viscosity: 2500 – 4500 mPas (20°C)

10. STABILITY AND REACTIVITY

Conditions to avoid

- Extreme heat and low temperatures.
- Temperatures <5°C and >25°C

Materials to avoid

- Strong acids, alkalines and oxidants

Hazardous decomposition products

- At high temperatures forming of carbon monoxide, carbon dioxide, oxides of nitrogen and ammonia possible.

11. TOXICOLOGICAL INFORMATION

Toxicological data:

- **Acute Toxicity**
-
- **Irritation**
-
- **Sensitization**
-
- **Chronic exposure**
-
- **Carcinogenicity**
-
- **Mutagenicity and reproduction toxicity**
Due to its degreasing effects the product could cause to non allergic contact dermatitis and/or contaminant resorption.
Splashes of liquid could cause irritation and reversible damages on the eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity

- **Acute ecotoxicity**
-
- **Mobility**
-
- **Persistence and degradability**
-
- **Bioaccumulation**
-
- **Ecotoxicological valuation**
Water hazard class 1
Do not escape the liquid into canalization.

13. DISPOSAL CONSIDERATIONS

Waste handling

- Obey local and national regulations for recycling.
- The final choice of a waste key number according to European Waste Catalogue (EAK) depends on use of the product. This has to be considered in cooperation with local waste disposal contractor.
- Recommendation:
080120 Aqueous suspensions containing paint or varnish other than those mentioned in 080119
080112 Waste paint and varnish

Packaging handling

- Dispose according to official regulations.
 - Clean container and send to reuse.
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14. TRANSPORT INFORMATION

Landt ransport (ADR/RID)

Not restricted according to transport regulations

Sea transport (IMDG)

Not restricted according to transport regulations

Air transport (ICAO/IATA)

Not restricted according to transport regulations

15. REGULATORY INFORMATION

EC labelling

Contains -

Symbols Must not be labelled according to EC regulations

R phrases -

S phrases -

National regulations

- WGK= 1 (Germany)
 - VOC regulation:

VOC (g/l)	DIN ISO 11890	68,575
VOC (g/l)	ASTM D-3960-1	117,949
 - Techn. instructions to keep air clean:

Total organic material of class II :	2	%
Total organic material of class III:	5	%
-

16. OTHER INFORMATION

R phrases

34 causes causticizations
50/53 Very toxic to aquatic organisms
63 can injure the unborn child
21/22 hazardous in case of contact with the skin or swallowing

Sources of information

EC Directive 67/548/EEC resp. 1999/45/EC in valid version
Regulation (EC) No 1907/2006 (REACH) in valid version
National exposure limit value lists in valid version
Transport regulations acc. to ADR, RID, IMDG, IATA in valid version
Information from suppliers

The information in this Safety Data Sheet are based on our today's knowledge. They shall describe our products with respect to safety aspects and do not guarantee on special properties. The different work conditions of the final user are out of our control. The product must not be transferred to any different use as named under section 1. The final user is responsible for compliance with all relevant official regulations.