

### EC SAFETY DATA SHEET IN COMPLIANCE WITH DIRECTIVE 2001/58/EC

## Spectrum PU CLEANER

#### 1. Identification of the substance / preparation and of the company / undertaking

- 1.1. Identification of the substance or preparation

#### Clean and Strip

- 1.2 Use of the substance / preparation

Cleaning of elastic floor coverings

- 1.3 Company / undertaking identification

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- 1.4 Emergency telephone / advisory body

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#### 2. Composition / information on ingredients

Powdered preparation on the basis of surfactants, solvents, water

EINECS/ELINCS-No. / chemical name / % range / hazard symbol / R-phrases

EINECS/ELINCS n.d. / anionic surfactants / <5 / Xi / R 38-41

EINECS/ELINCS n.d. / Non-ionic surfactants / <5 / Xi , N / R 22-41

EINECS/ELINCS n.d. / Non-ionic surfactants / <5 / Xi , N / R 22-36/38

The wording of the R phrases on the given ingredients is reproduced under point 16. For ingredients with community occupational exposure controls, see point 8.

#### 3. Hazards identification

##### Description of hazards

Not classified as hazardous in the sense of Guideline 1999/45/EC.

Special information on hazards for man and the environment

Also refer to points 11 and 15 and/or point 12 respectively.

No hazards requiring special mention.

#### 4. First aid measures

- 4.1 General directions

Bring the affected person out of danger area. Remove contaminated clothing.

- 4.2 after inhalation

Ensure the availability of fresh air.

- 4.3 after skin contact

Wash thoroughly with water. Use appropriate skin care products. In case of symptoms (enduring skin reddening, etc.), seek medical advice, taking this data sheet with you.

- 4.4 after eye contact

Keeping the lids open, flush the eyes with running water for several minutes. If irritation persists, seek medical advice, taking this data sheet with you.

- 4.5 after ingestion

Do not induce vomiting. Flush out the mouth and drink large quantities of water afterwards. Seek medical advice immediately, taking this data sheet with you. Do not leave the affected person unsupervised.

- 4.6 Directions for the physician / symptoms

Symptoms have not been established. After ingestion, nausea and gastro-intestinal problems and an irritation of the mucous membranes are foreseeable. Should it be necessary to rinse out the stomach, add Dimeticon (defoamer).

#### 5. Fire fighting measures

- 5.1 Suitable extinguishing media

Dry fire-extinguishing media, foam, water sprays, CO<sub>2</sub>, sand.

Use extinguishing media suitable for fighting the surrounding fire.

- 5.2 Extinguishing media which must not be used for safety reasons

Straight water jet

**5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Combustion may result in: the development of toxic pyrolysis products

**5.4 Special protective equipment for fire fighters**

Do not inhale combustion gases in case of surrounding fire. Depending on the size of the fire, use full personal safety equipment or respiratory protection as appropriate.

**6. Accidental release measures**

Also refer to points 8 and 13.

**6.1 Personal precautions**

Avoid contact with the eyes and prolonged contact with the skin. Danger of slipping if the product runs out or is spilled.

**6.2 Environmental precautions**

Do not allow contamination of surface water/ground water. Do not allow large quantities to flow into the drains. Should a leakage of substantial quantities occur, prevent from spreading.

**6.3 Methods for cleaning up**

Take up mechanically or by using fluid binding material (e.g., universal binders) and dispose of these in accordance with point 13.

**7. Handling and storage**

**7.1 Handling**

**7.1.1 Directions for safe handling:**

Avoid contact with the eyes and prolonged contact with the skin. Follow directions on the label. If the product is used in a suitable manner, no special measures are required.

**7.1.2 Directions on prevention of fire and explosion:**

Development of explosive vapour-air mixtures is possible during use. Keep away from incendiary sources. Do not smoke. If the product is used in a suitable manner, no special measures are required.

**7.2 Storage**

**7.2.1 Storeroom and container requirements:**

Also refer to point 7.2.2. Store the product in sealed original containers in a cool, dry place. Do not store in passageways and on stairways.

**7.2.2 Directions on storage together with other products:**

German Technical Regulation on Dangerous Substances 514: n.a.

German Technical Regulation on Dangerous Substances 515: n.a.

German Technical Regulation on Dangerous Substances 300: n.a.

Do not store alongside storage classes 1, 5.1A, 6.2 or beverages, foodstuffs and feedstuffs. Storage alongside storage classes 3, 4.1B, 6.1, 8-13 is allowed in principle. When storing alongside other storage classes, observe storage restrictions for the storage classes concerned (VCI storage concept).

**7.2.3 Further information on special warehousing conditions:**

Also refer to point 10.2. Avoid direct sunlight and high temperatures. Follow regulations and statutes on storage and handling of water-hazardous substances. Keep locked away and out of the reach of children.

**7.2.4 VCI storage classification (Germany): 12 (canister) / 10 (carton)**

**7.3 Specific use(s)**

Observe product group information of German employers' liability insurance association "Building" for surface treatment agents for all types of wooden floors (classification by GISCODE, see point 15.3.1).

**8. Exposure controls / personal protection**

Also refer to point 7.

**8.1 Exposure limit values**

EINECS-/ELINCS-No. / chemical name / % range / limit type / level and unit of measurement

252-104-2 / (2-methoxymethylethoxy)-propanol / <5 / MAK 50 ppm

200-578-6 / Ethanol / <5 / MAK 500 ppm

**8.2 Exposure controls**

**8.2.1 Occupational exposure controls**

**8.2.1.1 Respiratory protection:**

No special requirements

**8.2.1.2 Hand protection:**

In case of prolonged or repeated contact, use skin protection cream or wear protective gloves (nitril or butyl rubber, Category III in conformity with EN 374). Data from the manufacturer on permeability and penetration times as well as any special circumstances at place of operation (mechanical stress, etc.) are to be observed.

**8.2.1.3 Eye protection:**

When handling larger quantities or where there is a risk of splashing, wear protective goggles.

**8.2.1.4 Skin protection:**

No special requirements

**8.2.1.5 Protection measures and hygiene measures:**

Do not eat, drink or smoke during work. At end of shift, use skin cleaning and care products. Keep away from food and beverages.

**8.2.2 Environmental exposure controls**

Follow instructions for use and recommended dosage as well as instructions for disposal (point 13).

**9. Physical and chemical properties**

**9.1 General information**

9.1.1 Appearance: colourless fluid

9.1.2 Odour: fresh, of lemons

**9.2 Important health, safety and environmental information**

9.2.1 pH-level as delivered (at 21°C): approx. 9.5

9.2.2 Boiling point/boiling range (°C): n.d.

9.2.3 Flash point (°C): > 61 (seta flash closed cup)

9.2.4 Flammability (solid, gas): n.d.

9.2.5 Auto-ignition: no

9.2.6 Explosion risk: Development of explosive vapour-air mixtures is possible

Lower explosion limit (vol-%): approx. 1.0 (solvent content)

Upper explosions limit (vol-%): approx. 15 (solvent content)

9.2.7 Oxidising properties: not to be expected

9.2.8 Vapour pressure (mbar): n.d.

9.2.9 Relative density (g/cubic cm., at 21°C): 1.00

**9.2.10 Solubility**

Water solubility: completely soluble/mixable

Fat solubility: n.d.

9.2.11 Partition coefficient n-octanol/water: n.d.

9.2.12 Viscosity, dynamic (mPa . s, at 21°C): < 30

9.2.13 Vapour density: n.d.

9.2.14 Evaporation rate: n.d.

**9.3 Other information**

No other information.

**10. Stability and reactivity**

**10.1 Conditions to avoid:**

Also refer to point 7. Avoid high temperatures.

**10.2 Materials to avoid:**

No dangerous reactions known.

**10.3 Hazardous decomposition products:**

Also refer to point 5.3. No further information.

**10.4 Other information**

No stabilisers present. No further information.

**11. Toxicological information**

**11.1 Toxicological investigations**

**11.1.1 Acute toxicity**

Oral, LD<sub>50</sub> rat (mg/kg): n.d.

Inhalatory, LD<sub>50</sub> rat: (mg/l/4h): n.d.

Dermal, LD<sub>50</sub> rat (mg/kg): n.d.

11.1.2 Specific symptoms in animal testing: n.d.

11.1.3 Irritation effects: n.d.

11.1.4 Sensitising effects: n.d.

11.1.5 Sub-acute to chronic toxicity: n.d.

11.1.6 Cancer-producing effects, gene mutation effects and reproduction effects: n.d.

11.1.7 Other information: none

**11.2 Experiences from practical use**

Can have a degreasing effect on the skin in case of repeated prolonged use.

**11.3 General information**

Toxicological data has not been verified on the product itself. Toxicity was estimated according to the method of calculation set out in EC directives for the classification of dangerous substances (refer to point 15) and on the basis of data available on the components. According to our experience to date, however, hazards exceeding those mentioned in the labelling are not to be expected.

**12. Ecological Information**

**12.1 Ecotoxicity**

Toxicological data with regard to effects on fish, daphnia and algae has not been verified on the product itself. Do not allow contamination of surface water/ground water. In case of proper initiation of low concentrations into adapted biological purification plants, no disturbance of the degrading activity of micro-organisms is to be expected. Before allowing large quantities to be fed into treatment plants, obtain the approval of the responsible authorities.

Water hazard class: (WGK)

Classification as per VwVwS: WGK 1 – slightly harmful to water

**12.2 Mobility and bio-accumulative potential**

No indication of bio-accumulative potential as a result of the individual ingredients contained in the product.

**12.3 Persistence and degradability**

Surfactants biologically degradable in accordance with the requirements of the Regulations on detergents. Solvents very bio-degradable. Not verified on the product itself.

**12.4 Other adverse effects**

No further information.

**13. Disposal Considerations**

**13.1 Substance / preparation / residues**

Key for waste disposal, European catalogue: 20 01 30

Must not be disposed of together with household waste. Should be fed into a suitable hazardous waste collection point. Observe official regulations. Small quantities can be washed away with large amounts of water.

**13.2 Contaminated packaging**

Key for waste disposal, European catalogue: 15 01 10 (canister), 15 01 01 (carton)

After thorough emptying and rinsing with water, feed packing into reconditioning or recycling systems. Otherwise, take packing to an authorised depot or incineration plant or arrange for disposal via the dual waste disposal system. Observe local official regulations.

**14. Transport information**

**14.1 Land transport**

14.1.1 ADR/RID/GGVS/GGVE-class ..... Packaging size ..... code: --

14.1.2 Hazard warning board: Hazard-No.: UN-No.: .. Substance-No. UN-Nr.-{}- --

14.1.3 Description of goods: --

14.1.4 Remarks:

**14.2 Inland waterway transport**

14.2.1 ADN/ADNR Class ..... number/letter: ..... n.d.

14.2.2 Category: n.d.

14.2.3 Description of goods: n.d.

**14.3 Sea transport**

14.3.1 IMDG Code / Class: ..... UN-No.: .... PG: ... n.d.

14.3.2 EmS: ..... MFAG: ..... n.d.

14.3.3 Marine pollutant: yes (p or pp) / no n.d.

14.3.4 Proper shipping name n.d.

**14.4 Air transport**

14.4.1 ICAO/IATA Class: ..... UN/ID-No.: .... PG: ... n.d.

14.4.2 Proper shipping name n.d.

**14.5 Other details**

No further information.

**15. Regulatory information**

**15.1 Labelling**

15.1.1 Symbol: Labelling not obligatory

15.1.2 Hazard description: according to EC Directive 1999/45/EC

15.1.3 Hazard statement (R phrases): --

15.1.4 Safety advice (S phrases): --

15.1.5 Additional labelling for special preparations: n.a.

**15.2 National regulations for Germany**

15.2.1 Notes on employment restrictions: n.a.

15.2.2 Hazardous Incidents Ordinance: n.d.

15.2.3 Classification according to TA Luft: n.d.

15.2.4 Water hazard class: See point 12.3.3

15.2.5 Other regulations: Observe German employers' liability insurance association regulations

**15.3.1 Other Information**

15.3.1 Giscode for cleaning and care products: GU 50

## 16. Other information

### 16.1 Listing of relevant R phrases from points 2 and 3 with full text

- R 22 Ingestion damaging to the health
- R 36/38 Irritant to eyes and skin
- R38 Irritates the eyes
- R41 Danger of serious damage to the eyes

### 16.2 Other information

The information given in this Safety Data Sheet refers to the product in its state of supply. It is based on our present state of knowledge but does not represent a guarantee of product characteristics and does not found a contractual legal status.

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