

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

Spectrum ULTRA HARD SHINE SEALER

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
Polymer-based protective film for elastic floor coverings (vinyl / linoleum / rubber)
- 1.3 Company / undertaking identification
CC-Dr. Schutz GmbH, Holbeinstr. 17, D-53175 Bonn phone +49 228 95352-0, fax +49 228 95352-28
- 1.4 Emergency telephone / advisory body
Giftinformationszentrum-Nord, Robert-Koch-Str. 40, D-37075 Göttingen phone +49 551 19240
CC-Dr. Schutz GmbH, Hessisch-Oldendorf plant, Steinbrinksweg 30, D-31840 Hessisch-Oldendorf
Telephone +49 5152 9779-0

2. Composition / information on ingredients

Preparation on the basis of water, polymers, waxes and solvents
EINECS/ELINCS-No. / chemical name / % range / hazard symbol / R-phrases
203-473-3 / 1,2-ethandiol / <5 / Xn / R 22
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 specific mention.

4. First aid measures

- 4.1 General directions
Bring the affected person out of danger area. Remove soaked, contaminated clothing.
- 4.2 after inhalation
Bring the affected person into the 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. Seek medical advice if irritation persists, 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, CO₂, sand. The product itself does not burn.
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 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 (e.g. by damming in).

6.3 Methods for cleaning up

Take up the product mechanically or by thickening with binding material (e.g., universal binders) and dispose of these in accordance with point 13. Flush away the remains using large quantities of water.

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 the 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:

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 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 2A, 3, 4.1B, 4.2, 5.1B, 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. Protect from frost. Avoid direct sunlight and high temperatures.

Observe regulations relating to storage, handling and use 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 cleaning and care products (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

203-473-3 / 1,2-ethandiol / <5 / MAK 10 ppm

252-104-2 / Dipropylene glycol methyl ether < 5 / MAK 50 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 handling larger quantities, we recommend wearing protective gloves (nitril or butyl rubber).

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:

Avoid contact with the eyes. 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:

milky, white fluid

9.1.2 Odour:

fresh, of lemon

- 9.2 Important health, safety and environmental information**
- 9.2.1 pH-level as delivered (at 21°C): approx. 8.5
 - 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: not to be expected
 - Lower explosion limit (vol-%): n.d.
 - Upper explosions limit (vol-%): n.d.
 - 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): 1.04
 - 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): approx. 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. Protect from frost.
- 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, LD50 rat (mg/kg): n.d.
- Inhalatory, LD50 rat: (mg/l/4h): n.d.
- Dermal, LD50 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 de-greasing effect on the skin if used for prolonged periods.
- 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).

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 to flow undiluted into surface water/ground water or drains. 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 according to (Adminstration Regulations: on Water Hazardous Materials):
VwVwSWGK 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**
Solvent content biodegradable. Polymeric material can be eliminated by flocculation or adsorption in the treatment plant. 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 02
 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 number/letter: --
 14.1.2 Warning table, hazard no.,substance no. --
 14.1.3 Description of goods: --
 14.1.4 Remarks: Simplification of transport for "limited quantities" possible

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 VbF: Not governed by regulations on inflammable liquids
 15.2.4 Classification according to TA Luft: n.d.
 15.2.5 Water hazard class: See point 12.3.3
 15.2.6 Other regulations: Observe German employers' liability insurance association regulations

15.3 Other Information

15.3.1 Giscode for cleaning and care products: GE 30

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

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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Key to abbreviations: n.a.: not applicable MAK: Maximum Concentration for Working Places (Germany)
 n.d. not determined TRGS: Technical Regulations on Dangerous Substances (Germany)
 n.d.a.: no data available VbF: Directive on Inflammable Liquids (Germany)