

Safety Data Sheet

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

1.1. Identification of the substance or preparation

Hilway direct Sealer

1.2 Use of the substance / preparation

Polymerised care product for the treatment of hard floor coverings

1.3 Company / undertaking identification

HilwayDirect.12McCullough.Drive,Suite.10.NewCastle,.DE.19720
1-877-356-6748 Fax: 302-325-2592

1.4 Emergency telephone / advisory body

Giftinformationszentrum-Nord, Robert-Koch-Str. 40, D-37075 Göttingen
phone +49 551 19240

2. Composition / information on ingredients

Preparation on a basis of water, polymeric materials, waxes, solvents

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

203-473-3 / 1.2 Ethane diol /<5 / X_n / 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

Indication of hazards

Not classified as hazardous in the sense of Guideline 2001/58/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 or contaminated clothing.

4.2 after inhalation

Provide for fresh air.

4.3 after skin contact

Wash thoroughly with water. Use appropriate skin care products. In case of enduring problems, 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 symptoms persist, 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.
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 skin contact. Danger of slipping if product runs out or is spilled.

6.2 Environmental precautions

Do not allow contamination of surface water/ground water. Do not allow large quantities of the product 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 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 product in sealed original containers in a cool, dry place. Do not store in passageways and 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. 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

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 Ethane diol / <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:

When handling larger quantities or in case of prolonged skin contact, wear protective synthetic gloves (nitrile, coating thickness 0.1 mm for penetration time > 2 hours).

8.2.1.3 Eye protection:

When handling larger quantities or where there is a danger of the eyes coming into contact with splashes of liquid, wear safety 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: fully 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 further 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

Also refer to points 3 and 5.3.

11.1 Toxicological investigations

- 11.1.1 Acute toxicity
- | | |
|--|------|
| Oral, LD ₅₀ rat (mg/kg): | n.d. |
| Inhalatory, LD ₅₀ rat: (mg/l/4h): | n.d. |
| Dermal, LD ₅₀ 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 dry out the skin. if used for prolonged periods of time.

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 EEC directives for the classification of dangerous substances (refer to point 15) or the properties of ingredients.

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 classification (WGK) WGK 1 – slightly harmful to water

12.2 Mobility and bioaccumulative potential

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

12.3 Persistence and degradability

Solvents are bio-degradable. 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 possible due to regulations covering small amounts

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 2001/58/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: Category III (Solvent portion)

15.2.5 Water hazard class: See point 12.3.3

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

15.3.1 Other Information

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

R22 Ingestion damaging to the health.

16.2 Other information

The information given in this Safety Data Sheet refers to the product in the 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

n.d.: not determined

n.d.a.: no data available

MAK: Maximum Concentration for Working Places Germany)

TRGS: Technical Directive on Hazardous Materials (Germany)

VbF: Directive on Inflammable Liquids (Germany)