

## Safety Data Sheet

in compliance with Directive 2001/58/EC

- 1. Identification of the substance / preparation and of the company / undertaking**  
**1.1. Identification of the substance or preparation**

***Slipnomor\_Color\_Safety Finish***

- 1.2 Use of the substance / preparation**  
Polymer sealer for elastic (vinyl, linoleum and rubber) floor coverings
- 1.3 Company / undertaking identification**  
Stagestep Inc  
4701 Bath St, Philadelphia Pa 19137  
215-636-9000 267-672-2915 fax
- 1.4 Emergency telephone / advisory body**  
Stagestep Inc.  
800-523-0960
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- 2. Composition / information on ingredients**  
Powdered preparation on the basis of water, surfactants, solvents  
**EINECS/ELINCS-No. / chemical name / % range / hazard symbol / R-phrases**  
212-828-1 / N-Methyl-2-pyrrolidon / 5-10 / Xi / R 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.
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- 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.
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- 4. First aid measures**
- 4.1 General directions**  
Bring the affected person out of danger area. Remove contaminated clothing.
- 4.2 after inhalation**  
Bring the affected person into the fresh air/outside.
- 4.3 after skin contact**  
Wash thoroughly with water. Use appropriate skin care products. In case of symptoms, 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).
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**5. Fire fighting measures**

**5.1 Suitable extinguishing media**

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

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**6. Accidental release measures**

Also refer to points 8 and 13.

**6.1 Personal precautions**

Avoid contact with the eyes and skin. Do not inhale production gases / aerosols. 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 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. Flush away remainder using large quantities of water.

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**7. Handling and storage**

**7.1 Handling**

**7.1.1** Directions for safe handling:

Avoid contact with the eyes and skin. Do not inhale production gases / aerosols. 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 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 caustic solutions, metals, nitrites, 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. 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 surface treatment agents for all types of wooden floors (classification by GISCODE, see point 15.3.1).

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**8. Exposure controls / personal protection equipment.**

Also refer to point 7.

### 8.1 Exposure limit values

EINECS-/ELINCS-No. / chemical name / % range / limit type / level and unit of measurement  
212-828-1 / N-Methyl-2-pyrrolidon / 5 -10 / MAK 19 ppm  
204-469-4 / Triethylamin / <1 / MAK 1 ppm

### 8.2 Exposure limitation and controls

#### 8.2.1 Occupational exposure limitation and controls

##### 8.2.1.1 Respiratory protection:

No special requirements for rolling or painting applications. If spray application is performed, respiratory protection should be used.

##### 8.2.1.2 Hand protection:

In case of prolonged or repeated contact, wear protective gloves of nitril or butyl rubber, Category III in conformity with EN 374. Observe manufacturer's information on permeability and break-down times as well as the specific conditions at the place of or work (mechanical stress, etc.).

##### 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 and skin. Do not inhale. 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 limitation and controls

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

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## 9. Physical and chemical properties

### 9.1 General information

9.1.1 Appearance: milky white fluid  
9.1.2 Odour: characteristic of paint

### 9.2 Important health, safety and environmental information

9.2.1 pH-level as delivered (at 21°C): approx. 8.0  
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 (volume %): n.d.  
Upper explosions limit (volume %): 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. 25  
9.2.13 Vapour density: n.d.  
9.2.14 Evaporation rate: n.d.

### 9.3 Other information

No further information.

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## 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 hazardous 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.

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## 11. Toxicological information

Also refer to points 3 and 5.3.

### 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 and effects hazardous to reproduction: n.d.

11.1.7 Other information: none

### 11.2 Experiences from practical use

Can dry out the skin upon prolonged exposure. In sensitive persons, repeated inhalation could lead to irritations of the respiratory tract and the eyes.

### 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, hazards exceeding those mentioned in the labelling are not to be expected.

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## 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.

Water hazard class (WGK) :

Classification according to 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.

### 12.1 Persistence and degradability

Solvent content easily 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.

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## 13. Disposal Considerations

### 13.1 Substance / preparation / residues

Key for waste disposal, European catalogue: 08 01 12, 08 01 20

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 using 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.

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## 14. Transport information

### 14.1 Land transport

14.1.1 ADR/RID/GGVSE-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 Information

No further information.

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### 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: not applicable

#### 15.2 National regulations for Germany

- 15.2.1 Notes on employment restrictions: not applicable  
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 12.1  
15.2.5 Other regulations: Observe German employers' liability insurance association regulations

#### 15.3 Other Information

- 15.3.1 Giscode for cleaning and care products: W3/DD

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### 16. Other information

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

R 36/38 Irritant to eyes and skin

#### 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. Changes to the previous version are marked by a vertical slash in the righthand margin.

Issuing Department: Product Development/Hessisch Oldendorf plant

Telephone +49 5152 9779-0

Contact person: Mr. Dr. Dietmar Hake

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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

## Safety Data Sheet

in compliance with Directive 2001/58/EC

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

#### 1.1. Identification of the substance or preparation

##### **Strip**

#### 1.2 Use of the substance / preparation

The thorough cleaning of non-textile floorings.

#### 1.3 Company / undertaking identification

Stagestep Inc

4701 Bath St #46

Philadelphia Pa 19137 USA 215-636-9000

#### 1.4 Emergency telephone / advisory body

Giftinformationszentrum-Nord, (Toxicological information centre/North)

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

CC-Dr. Schutz GmbH, Hessisch-Oldendorf plant, Steinbrinksweg 30,

D-31840 Hessisch-Oldendorf, phone +49 5152 9779-0

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### 2. Composition / information on ingredients

Preparation on a basis of solvents, surfactants, complexing agents, water

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

EINECS/ELINCS n.d. / Non-ionic surfactants / < 5 / X<sub>i</sub>, / R 38-41

225-768-6 / Trisodium nitrilotriacetate / < 5 / X<sub>n</sub> / R 22-36

225-878-4 / 3-Butoxy-2-propanol / < 5 / X<sub>i</sub> / R 36/38

202-859-9 / Benzyl alcohol / < 5 / X<sub>n</sub> / R 20/22

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.

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### 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.

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### 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

Ensure the availability of fresh air.

#### 4.3 after skin contact

Wash thoroughly with water. Use appropriate skin care products.

#### 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 intestinal tract are imaginable. Should it be necessary to rinse out the stomach, add Dimeticon (defoamer).

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### 5. Fire fighting measures

#### 5.1 Suitable extinguishing media

Dry fire extinguishing media, foam, water sprays, CO<sub>2</sub>. Product itself does not continue burning after removal of the incendiary source (self-extinguishing). 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. Formation of explosive vapour/air mixtures can occur.

#### 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.

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### 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. Do not inhale. Ensure that there is sufficient ventilation. Keep away from incendiary sources. Do not smoke. 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 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.

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### 7. Handling and storage

#### 7.1 Handling

##### 7.1.1 Directions for safe handling:

Avoid contact with eyes and prolonged contact with the skin. Do not inhale. Ensure that there is sufficient ventilation. Follow directions on the label.

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

Keep away from incendiary sources. Do not smoke. During use, volatile, inflammable components are released. 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 cleaning and care products (classification by GISCODE, see point 15.3.1).

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

**8.2 Exposure controls**

**8.2.1 Occupational exposure controls**

**8.2.1.1 Respiratory protection:**

Ensure that there is sufficient ventilation. When dealing with large quantities in conjunction with prolonged exposure and poor ventilation, wear respiratory protection.

**8.2.1.2 Hand protection:**

When handling larger quantities or in case of prolonged skin contact, wear protective synthetic gloves (nitrile, coating thickness 0.4 mm for penetration time > 2 hours).

**8.2.1.3 Eye protection:**

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 and prolonged contact with the skin. Do not inhale fumes. 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).

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**9. Physical and chemical properties**

**9.1 General information**

9.1.1 Appearance: colourless to slightly yellowish 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. 10.0

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

9.2.3 Flash point (°C): 61-62 (seta flash closed cup)

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

9.2.5 Auto-ignition: no

**9.2.6 Explosion risk**

Lower explosion limit (vol-%): approx. 1 (solvent content)

Upper explosions limit (vol-%): approx. 13 (solvent content)

**9.2.7 Oxidising properties:**

no

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 other information.

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**10. Stability and reactivity**

**10.1 Conditions to avoid:**

Also refer to point 7. Avoid high temperatures.

- 10.2 Materials to avoid:**  
Heat development in contact with strong acids.
- 10.3 Hazardous decomposition products:**  
Also refer to point 5.3. No further information.
- 10.4 Other information**  
No stabilisers present. No further information.
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## 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 de-greasing effect on the skin. In case of eye contact, frequent prolonged skin contact or high vapour concentrations, slight symptoms of irritation are foreseeable.

### 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. For some individual components complete data is not available. According to our experience to date, however, hazards exceeding those mentioned in the labelling are not to be expected.

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## 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 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

Surfactant, solvents and complexing agent content is bio-degradable. Not verified on the product itself.

### 12.4 Other adverse effects

No further information.

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## 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 (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.

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## 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: Not a hazardous substance according to special regulation 144, Chapter 3.3 ADR

### 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.

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## 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 taking into  
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: Class III (solvent content)  
15.2.4 Water hazard class: See point 12.1  
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: GG 20

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## 16. Other information

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

- R 20/22 Inhalation and ingestion damaging to health  
R 22 Ingestion damaging to the health  
R36 Irritates the eyes  
R38 Irritates the skin  
R 36/38 Irritant to eyes and skin  
R41 Danger of serious damage to the eyes

### 16.2 Other information

This Safety Data Sheet has been compiled in compliance with Directive 2001/58/EC. Where appropriate, specific regulations relating to the country in question must be added.

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. Changes to the previous version are marked by a vertical slash in the righthand margin.

Issuing Department:

Product Development/Hessisch Oldendorf plant  
Telephone +49 5152 9779-0

Contact person:

Dr. Hake

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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)

## Safety Data Sheet

in compliance with Directive 2001/58/EC

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

#### 1.1. Identification of the substance or preparation

##### ***SLIPNOMOR Cross Linker***

#### 1.2 Use of the substance / preparation

Cross-linking additive for sealant lacquers

#### 1.3 Company / undertaking identification

Stagestep Inc. 4701 Bath St #46 Philadelphia Pa 19137 USA  
215-636-9000

#### 1.4 Emergency telephone / advisory body

Giftinformationszentrum-Nord, Robert-Koch-Str. 40, D-37075 Göttingen  
phone +49 551 19240  
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Telephone +49 5152 9779-0

---

### 2. Composition / information on ingredients

Preparation on the basis of cross linking substances and solvents

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

203-603-9 / 2-Methoxy-1-methyl-ethyl acetate / 40-60 / Xi / R 10-36

209-406-4 / Sodium-dioctyl-sulphosuccinate / <5 / Xi / R 10-36/38

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**

Classified in the sense of Guideline 1999/45/EC. Irritant. **Inflammable.**

#### **Special information on hazards for man and the environment**

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

Irritant to eyes. Inflammable. Danger of slipping if the product runs out or is spilled. Escaping fumes and spilled fluid may form inflammable mixtures when coming into contact with the air and can cause drowsiness and a benumbed feeling.

---

### 4. First aid measures

#### 4.1 General directions

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

#### 4.2 after inhalation

Provide for fresh air. In case of symptoms, seek medical advice.

#### 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 inhalation, irritations of the respiratory passages are imaginable, in case of poor ventilation and high vapour concentrations (above the exposure limit), a benumbed feeling and headache. Rinsing out the stomach should only be performed under endotracheal intubation because of aspiration risk.

---

### 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. Formation of explosive air-vapour mixtures is possible. Vapour is heavier than air, ignition is possible over significant distances.

#### 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 skin. Do not inhale combustion gases in case of surrounding fire. Ensure that there is good ventilation. Keep away from incendiary sources. Do not smoke. Take steps to prevent electrostatic charging. 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. Flush away remainder 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. Do not inhale combustion gases in case of surrounding fire. Ensure that there is good ventilation. Follow the directions on the label.

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

Keep away from incendiary sources. Do not smoke. Take steps to prevent electrostatic charging.

#### 7.2 Storage

##### 7.2.1 Storeroom and container requirements:

Also refer to point 7.2.2. Store product in carefully sealed original containers in a dry place at temperatures between 5°C and 35°C. 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, 2A, 4, 5.1A, 5.1C, 5.2, 6.1B, 6.2 or caustic solutions, metals, nitrites, beverages, foodstuffs and feedstuffs. Storage alongside storage classes 3, 6.1A, 10, 12, 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. Observe regulations relating to storage, handling and use of water-hazardous substances and standards given in the TRbF (Technical Regulations on Inflammable Fluids). Keep locked away and out of the reach of children.

##### 7.2.4 VCI storage classification (Germany): 3A

### 7.3 Specific use(s)

No further information.

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## 8. Exposure controls / personal protection equipment.

Also refer to point 7.

### 8.1 Exposure limit values

EINECS-/ELINCS-No. / chemical name / % range / limit type / level and unit of measurement  
203-603-9 / 2-Methoxy-1-methyl-ethyl-acetate / 40-60 / MAK 50 ppm

### 8.2 Exposure limitations and controls

#### 8.2.1 Occupational exposure limitations and controls

##### 8.2.1.1 Respiratory protection:

In case of prolonged exposure or insufficient ventilation, wear respiratory protection. If used for the intended purpose, no special measures are required as a rule.

##### 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:

Avoid contact with the eyes and prolonged contact with the skin. Do not inhale combustion gases. 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 limitation and 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: yellowish fluid  
9.1.2 Odour: ester-like fragrance

### 9.2 Important health, safety and environmental information

9.2.1 pH-level as delivered (at 21°C): n.a.  
9.2.2 Boiling point/boiling range (°C): 146  
9.2.3 Flash point (°C): 42 (seta flash closed cup)  
9.2.4 Flammability (solid, gas): Ignition temperature 315 °C (solvent content)  
9.2.5 Auto-ignition: n.d.  
9.2.6 Explosion risk  
Lower explosion limit (volume %): 1.5 (solvent content)  
Upper explosions limit (volume %): 10.8 (solvent content)  
9.2.7 Oxidising properties: not to be expected  
9.2.8 Vapour pressure (mbar, at 25° C): 5.1 (solvent content!)  
9.2.9 Relative density (g/cubic cm., at 21°C): 1.03  
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 25°C): max. 300  
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.

**10.2 Materials to avoid:**

Damp, strong oxidising agents.

**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<sub>50</sub> rat (mg/kg): 8500 (solvent content)

Inhalatory, LD<sub>50</sub> rat: (mg/l/4h): 36 (solvent content)

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:** Irritation to the eyes (solvent content)

**11.1.4 Sensitising effects:** No known sensitising effects

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

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

**11.1.7 Other information:** none

**11.2 Experiences from practical use**

Can have a de-greasing effect on the skin.

**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, 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.

Water hazard class (WGK) Hazardous

Classification according to VwVwS Materials):

(Administration Regulations on Water-

WGK 1 – slightly harmful to water

**12.2 Mobility and bio-accumulative potential**

No stabilisers present.

**12.1 Persistence and degradability**

Solvent content more than 90% biodegradable. 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: 08 01 11

Must not be disposed of together with household waste. Should be fed into a suitable hazardous waste collection point. Observe official regulations.

**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.

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## 14. Transport information

### 14.1 Land transport

14.1.1 ADR/RID/GGVS/GGVE-class ..... number/letter: ..... 3, III, F1

14.1.2 Hazard warning board: Hazard-No.: ..... UN-No.: .... Substance-No. UN-Nr. UN 1263

14.1.3 Description of goods: Dye product additives

14.1.4 Remarks: Simplification of transport for „limited quantities“ possible in accordance with LQ7

### 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 Information

No further information.

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## 15. Regulatory information

### 15.1 Labelling

15.1.1 Symbol: X<sub>i</sub>

15.1.2 Hazard description: Irritant. Inflammable.

15.1.3 Hazard statement (R phrases): Irritates the eyes. Inflammable.

15.1.4 Safety advice (S phrases): Avoid contact with the eyes. In case of contact with the eyes, immediately rinse out thoroughly with water and consult a medical practitioner. After ingestion, immediately seek medical advice, taking packaging or label with you. Do not inhale combustion gases. Only use in well-ventilated areas. Provide for sufficient ventilation during and after use. In case there is insufficient ventilation, wear respiratory protection. >Keep away from incendiary sources. This product and its container should be fed into the hazardous waste disposal system (if the container is not completely empty). Feed into recycling systems when clean and completely empty. Keep locked up and out of the reach of children.

15.1.5 Additional labelling for special preparations: Not applicable

### 15.2 National regulations for Germany

15.2.1 Notes on employment restrictions: Observe employment protection laws governing employment of juveniles, laws protecting mothers-to-be and nursing mothers

15.2.2 Hazardous Incidents Ordinance: n.d.

15.2.3 Classification according to VbF: VbF All

15.2.4 Classification according to TA Luft: Class III (solvent content)

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: n.a.

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## 16. Other information

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

R 10 Inflammable.

R 36 Irritates the eyes.

R 36/38 Irritant to eyes and skin

**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. Changes to the previous version are marked by a vertical slash in the righthand margin.

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Telephone +49 5152 9779-0

Contact person:

Dr. Hake

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**Key to abbreviations:**

n.a.: not applicable

n.d.: not determined

n.d.a.: no data available

GefStoffV: Dangerous Goods Act

MAK: Maximum Concentration for Working Places  
(Germany)

TA Luft: Technical Directive Air (Germany)

TRGS: Technical Regulations on Dangerous  
Substances (Germany)

VbF: Directive on Inflammable Liquids (Germany)

# Safety Data Sheet

in compliance with Directive 2001/58/EC

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

### 1.1. Identification of the substance or preparation

#### *Cleaner*

### 1.2 Use of the substance / preparation

Cleaning of elastic floor coverings

### 1.3 Company / undertaking identification

Stagestep Inc. 4701 Bath St #46 Philadelphia Pa 19137 USA  
215-636-9000

### 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

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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 / X<sub>i</sub> / R 38-41

EINECS/ELINCS n.d. / Non-ionic surfactants / <5 / X<sub>i</sub>, N / R 22-41

EINECS/ELINCS n.d. / Non-ionic surfactants / <5 / X<sub>i</sub>, 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.

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## 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).

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### 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.

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### 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 equipment.

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 limitation and controls

#### 8.2.1 Occupational exposure limitation and 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 limitation and 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 lemon

### 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 (volume %):

approx. 1,0 (solvent content)

Upper explosions limit (volume %):

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 further 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

Also refer to points 3 and 5.3.

##### 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 and  
fortpflanzungsgefährdende Wirkungen: 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, 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 using large amounts of water.

##### 13.2 Contaminated packing

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.

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