

**EC SAFETY DATA SHEET
 IN COMPLIANCE WITH DIRECTIVE 2001/58/EC**
Spectrum CLEAN AND STRIP
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

The thorough cleaning of non-textile floorings.

- 1.3 Company / undertaking identification

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- 1.4 Emergency telephone / advisory body

Giftinformationszentrum-Nord, (Toxicological information centre/North)

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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 / Xi, / R 38-41

225-768-6 / Trisodium nitrilotriacetate / < 5 / Xn / R 22-36

225-878-4 / 3-Butoxy-2-propanol / < 5 / Xi / R 36/38

202-859-9 / Benzyl alcohol / < 5 / Xn / 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.

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 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).

5. Fire fighting measures

- 5.1 Suitable extinguishing media

 Dry fire extinguishing media, foam, water sprays, CO₂. 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.

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.

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 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).

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 & 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 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.

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.

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. 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.

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.

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.

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.

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

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.

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