

**TREND® 90**

Version 2.0

Revision Date 29.01.2008

Ref. 130000000512

This SDS adheres to the standards and regulatory requirements of the European Union and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Product name : TREND® 90

Synonyms : B10601085
: KG 691-2

Use of the Substance/Preparation : Surfactant

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2. HAZARDS IDENTIFICATION

Risk of serious damage to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Polyethylene oxide monoisodecyl ether	61827-42-7		Xi; R41	90
Water	7732-18-5	231-791-2		10

For the full text of the R-phrases mentioned in this Section, see Section 16.

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4. FIRST AID MEASURES

- General advice : Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician.
- Skin contact : Wash off immediately with soap and plenty of water. Take off contaminated clothing and shoes immediately. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- Eye contact : If in eyes, rinse with water for 15 minutes. Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Call a physician immediately.
- Ingestion : Do not induce vomiting without medical advice. Obtain medical attention. If victim is conscious: Drink 1 or 2 glasses of water.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray, Dry chemical, Foam, Carbon dioxide (CO₂),
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Use appropriate container to avoid environmental contamination. Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Clean-up methods - small spillage Soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Clean-up methods - large spillage Prevent further leakage or spillage. Dam up. Large spills should be collected mechanically (remove by pumping) for disposal. Collect leaking liquid in sealable (metal/plastic) containers.
- Additional advice : Never return spills in original containers for re-use. Dispose of in accordance

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with local regulations.

7. HANDLING AND STORAGE**Handling**

Advice on safe handling : Avoid inhalation of vapour or mist. Provide adequate ventilation. Wear personal protective equipment. For personal protection see section 8.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

Storage

Requirements for storage areas and containers : Store in original container. Store in a place accessible by authorized persons only. Keep containers tightly closed in a cool, well-ventilated place. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Advice on common storage : Keep away from: Oxidizing agents

Storage temperature : 5 - 50 °C

Other data : Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal protective equipment**

Respiratory protection : Half mask with a particle filter FFP1 (EN149)

Hand protection : Material: Nitrile rubber
Glove thickness: 0,4 - 0,7 mm
Wearing time: 480 min
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., The suitability for a specific workplace should be discussed with the producers of the protective gloves., Do not wear cotton or leather gloves.

Eye protection : Safety glasses with side-shields conforming to EN166

Skin and body protection : Full protective clothing Type 4 (EN 14605)

Hygiene measures : Avoid contact with eyes. Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. For environmental protection remove and wash all contaminated protective equipment before re-use. Dispose of rinse water in accordance with local and national regulations.

Protective measures : All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage

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or if contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid,
Colour	:	colourless,
Odour	:	mild,
pH	:	5 - 7 at 10 g/l (20 °C) (as aqueous solution)
Flammability (solid, gas)	:	Does not sustain combustion.
Vapour pressure	:	< 1,33 hPa at 20 °C
Density	:	1,0 g/cm ³ at 25 °C
Water solubility	:	, completely soluble

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Temperature : > 50 °C Temperature : < 5 °C
Materials to avoid	:	Incompatible with oxidizing agents.
Hazardous decomposition products	:	Carbon oxides, nitrogen oxides (NO _x)
Hazardous reactions	:	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50/ rat: 2 490 mg/kg
Acute inhalation toxicity	:	no data available
Acute dermal toxicity	:	LD50/ rabbit > 2 020 mg/kg
Eye irritation	:	Risk of serious damage to eyes.
Sensitisation	:	Animal test did not cause sensitization by skin contact.
Repeated dose toxicity	:	Oral rat, Exposure time: 28 d, NOEL: 600 mg/kg

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Oral rat, Exposure time: 28 d, NOEL: 150 mg/kg

Mutagenicity assessment : Animal testing did not show any mutagenic effects.

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)**

Biodegradability : / 35 Days > 70 %

Bioaccumulation : This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Ecotoxicity effects

Toxicity to fish : LC50/ 96,0 h/ Oncorhynchus mykiss (rainbow trout) :: 42 mg/l

Toxicity to daphnia : / EC50/ 48 h/ Daphnia: 40 mg/l

13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION

Further information : Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Labelling according to EC Directives**

Symbol(s) : Xi Irritant

Hazardous components: Polyethylene oxide monoisodecyl ether

R-phrases) : R41 Risk of serious damage to eyes.

S-phrases) : S 2 Keep out of reach of children.
S13 Keep away from food, drink and animal feeding stuffs.

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S20/21	When using do not eat, drink or smoke.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39	Wear eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
S35	This material and its container must be disposed of in a safe way.

Special labelling of certain preparations : To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION**Text of R-phrases mentioned in Section 2**

R41 Risk of serious damage to eyes.

Further information

Take notice of the directions of use on the label.

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Significant change from previous version is denoted with a double bar.

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