

Printing date 19.12.2005

Reviewed on 25.11.2005

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

- Product details
- Trade name: **Triple Effect**
- Article number: 10846
- Application of the substance / the preparation Protective impregnation
- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg
Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de
- Further information obtainable from: Laboratory

* 2 Composition/information on ingredients

- Chemical characterization
- Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components:

CAS: 67-63-0	propan-2-ol	<12.5%
EINECS: 200-661-7	Xi, F; R 11-36-67	
EU Number: 603-117-00-0		
- Regulation (EC) No 648/2004 on detergents / Labelling for contents
(4-tert-Butylcyclohexyl)-acetat
< 5%
- Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard description: Not applicable.
- Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

5 Fire-fighting measures

- Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions: Not required.
- Measures for environmental protection: Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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· Additional information: No dangerous substances are released.

7 Handling and storage

- Handling:
- Information for safe handling: No special measures required.
- Information about fire - and explosion protection: No special measures required.
- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Protect from frost.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace:
- 67-63-0 propan-2-ol**
WEL Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm
- Additional information: The lists valid during the making were used as basis.
- Personal protective equipment:
- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not required.
- Protection of hands: Not required.
- Material of gloves: Not determined
- Penetration time of glove material: Not determined
- Eye protection: Goggles recommended during refilling

9 Physical and chemical properties

- General Information
 - Form: Fluid
 - Colour: Light yellow
 - Odour: Specific type
- Change in condition
 - Melting point/Melting range: Undetermined.
 - Boiling point/Boiling range: Undetermined.
- Flash point: > 55°C
- Ignition temperature: 425°C
- Self-igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Density at 20°C: ~ 1.0 g/cm³
- Solubility in / Miscibility with water: Fully miscible.

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10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known.
- Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

*** 12 Ecological information**

- General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

- Product:
- Recommendation Smaller quantities can be disposed of with household waste.
- European waste catalogue
08 04 15 aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

15 Regulatory information

- Labelling according to EU guidelines: Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- Safety phrases: 2 Keep out of the reach of children.

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46 If swallowed, seek medical advice immediately and show this container or label.

- Special labelling of certain preparations:

Safety data sheet available for professional user on request.

- National regulations:

- Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases

11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

- Department issuing MSDS:

Laboratory

- Contact:

Dieter Zimmermann

- * Data compared to the previous version altered.