

Printing date 12/19/2005

Reviewed on 11/25/2005

**1 Identification of substance**· Product details

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

**2 Composition/Data on components**

- Chemical characterization
  - Description: Mixture of the 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 |                   |        |
- Additional information: For the wording of the listed risk phrases refer to section 16.

**3 Hazards identification**

- Hazard description: Not applicable.
- Information pertaining to particular dangers for man 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 was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0 - 4) Health = 0  
Fire = 2  
Reactivity = 0
- HMIS-ratings (scale 0 - 4) Health = 0  
Fire = 2  
Reactivity = 0

**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, extinguishing 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 protection against explosions and fires: 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 and personal protection

- Additional information about design of technical systems: No further data; see item 7.
  - Components with limit values that require monitoring at the workplace:
- 67-63-0 propan-2-ol**
- PEL 980 mg/m<sup>3</sup>, 400 ppm  
 REL Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm  
     Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 TLV Short-term value: 984 mg/m<sup>3</sup>, 400 ppm  
     Long-term value: 492 mg/m<sup>3</sup>, 200 ppm
- Additional information: The lists that were valid during the creation were used as basis.
  - Personal protective equipment:
  - General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.
  - Breathing equipment: 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
- Color: Light yellow
- Odor: Specific type
- Change in condition
- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: Undetermined.
- Flash point: > 55°C (> 131°F)
- Ignition temperature: 425°C (797°F)
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Density at 20°C (68°F): ~ 1.0 g/cm<sup>3</sup>

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- Solubility in / Miscibility with Water: Fully miscible.

**10 Stability and reactivity**

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.  
 · Dangerous reactions No dangerous reactions known.  
 · Dangerous products of decomposition: 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 internally approved calculation methods for preparations:  
 When used and handled according to specifications, the product does not have any harmful effects according 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 (Self-assessment): slightly hazardous for water

**13 Disposal considerations**

- Product:  
 · Recommendation: Smaller quantities can be disposed of with household waste.  
 · Uncleaned packagings:  
 · Recommendation: Disposal must be made according to official regulations.  
 Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

**14 Transport information**

- DOT regulations:  
 · Hazard class: -  
 · 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 Regulations**

- Sara  
 · Section 355 (extremely hazardous substances):  
 None of the ingredient is listed.  
 · Section 313 (Specific toxic chemical listings):  
 67-63-0 propan-2-ol

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· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· IARC (International Agency for Research on Cancer)

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· NTP (National Toxicology Program)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Product related hazard informations:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

· Safety phrases:

Keep out of the reach of children.

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

· National regulations:

· Water hazard 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.

· Department issuing MSDS:

Laboratory

· Contact:

Dieter Zimmermann

· \* Data compared to the previous version altered.