

Printing date 12/20/2002

Reviewed on 12/16/2002

1 Identification of substance

- Product details
 - Trade name: Urethane Cleaner / Activator
 - Article number: 1515
 - Application of the substance / the preparation :
Primer for adhesive or sealant
 - Manufacturer/Supplier:
Internatinal Epoxies & Sealers
30241 Commerce Drive
San Antonio, FL 33576
Telephone: 1-800-451-7206
- Emergency Information: INFOTRAC: 1-800-535-5053
Outside the U.S. Call Collect: 1-352-323-3500

2 Composition/Data on components

- Chemical characterization
 - Description: Mixture: consisting of the following components.
- Dangerous components:
- | | |
|--|-------|
| 64-17-5 ethanol | 97 % |
| F; R 11 | |
| 4420-74-0 3-trimethoxysilylpropane-1-thiol | 1-2 % |
| Xn; R 22 | |
- Additional information:
For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard description: F Highly flammable
- 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 = 3
Reactivity = 0
- WHMIS-ratings (scale 0 - 4)
Health = 0
Fire = 3
Reactivity = 0

4 First aid measures

- After inhalation:
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

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- After eye contact:
Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:
Do not induce vomiting; immediately call for medical help.
- The following symptoms may occur: Headache

5 Fire fighting measures

- Suitable extinguishing agents:
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards caused by the material, its products of combustion or resulting gases:
In case of fire, the following can be released:
Carbon monoxide (CO)
- Protective equipment: Mount respiratory protective device.

6 Accidental release measures

- Person-related safety precautions:
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Keep away from ignition sources
- Measures for environmental protection:
Do not allow product to reach sewage system or any water course.
- Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- Handling:
Information for safe handling:
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- Storage:
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Provide ventilation for receptacles.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
Store in a cool place.
Keep receptacle tightly sealed.

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:
64-17-5 ethanol
PEL: 1900 mg/m³, 1000 ppm
REL: 1900 mg/m³, 1000 ppm

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TLV: 1880 mg/m³, 1000 ppm

· Additional information:

The lists that were valid during the creation were used as basis.

· Personal protective equipment:

· General protective and hygienic measures:

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Immediately remove all soiled and contaminated clothing.

Do not eat, drink or smoke while working.

· Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Short term filter device:

Filter A

· Protection of hands:

PVA gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Eye protection: Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· General Information

· Form: Fluid

· Color: Colorless

· Odor: Alcohol-like

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· Change in condition

Value/Range Unit Method

· Melting point/Melting range: Undetermined.

· Boiling point/Boiling range: 78 ° C

· Flash point:
(in closed cup) 13 ° C

· Ignition temperature: >200 ° C

· Auto igniting: Product is not selfigniting.

· Danger of explosion:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:

· Lower: 3.5 Vol %

· Upper: 15 Vol %

· Vapor pressure: at 20 ° C 59 hPa

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- Density: at 20 ° C 0.80
- Solubility in / Miscibility with
- Water: at 20 ° C 1 g/l

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Materials to be avoided:
- Dangerous reactions Reacts with light alloys.
- Dangerous products of decomposition:
None to our knowledge at room temperature.

11 Toxicological information

- Acute toxicity:
LD/LC50 values that are relevant for classification:
64-17-5 ethanol
Oral: LD50: 7060 mg/kg (rat)
Inhalative: LC50/4 h: 20000 mg/l (rat)
- Primary irritant effect:
- on the skin:
Frequent or prolonged contact may irritate and cause dermatitis.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.

12 Ecological information

- General notes:
Generally not hazardous for water
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- Product:
- Recommendation:
Must be disposed of in an incinerator for hazardous waste according to official regulations.
- Uncleaned packagings:
- Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- DOT regulations:
- Hazard class: 3
- Identification number: UN1170
- Packing group: II
- Proper shipping name (technical name):
ETHANOL (ETHYL ALCOHOL), mixture
- Label: 3
- Land transport ADR/RID (cross-border):
- ADR/RID class: 3 Flammable liquids
- Danger code (Kemler): 33
- UN-Number: 1170

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- Packaging group: II
- Description of goods: 1170 ETHANOL (ETHYL ALCOHOL)
- Maritime transport IMDG:
 - IMDG Class: 3
 - UN Number: 1170
 - Label: 3
- Packaging group: II
- EMS Number: 3-06
- Marine pollutant: No
- Proper shipping name: ETHANOL (ETHYL ALCOHOL), mixture
- Air transport ICAO-TI and IATA-DGR:
 - ICAO/IATA Class: 3
 - UN/ID Number: 1170
 - Label: 3
- Packaging group: II
- Proper shipping name: ETHANOL (ETHYL ALCOHOL), mixture

15 Regulations

- Sara
 - Section 355 (extremely hazardous substances):
None of the ingredient is listed.
 - Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
 - 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:
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)
None of the ingredients is listed.
 - NTP (National Toxicology Program)
None of the ingredients is listed.
 - TLV (Threshold Limit Value established by ACGIH)
64-17-5 ethanol: A4
 - MAK (German Maximum Workplace Concentration)
64-17-5 ethanol: 5
 - 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 information: -
- Hazard symbols: F Highly flammable
- Safety phrases:
 - 7/9 Keep container tightly closed and in a well-ventilated place.
 - 16 Keep away from sources of ignition - No smoking.
 - 46 If swallowed, seek medical advice immediately and show this container or label.

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- National regulations:
- Technical instructions (air):
Class Share in %
III 97
- Water hazard class: Generally not 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.

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