

EUROFIX UNIVERSAL ADHESIVE

01 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade Name : EUROFIX UNIVERSAL ADHESIVE
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02 HAZARDS IDENTIFICATION

2.1 Hazard description:

Xn Harmful
F+ Extremely flammable



2.1.1 Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 11 Extremely flammable.

R 20 Harmful by inhalation.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

2.2 Classification system:

The classification is in line with current EC lists. It is extended, by information from technical literature and company information.

The product highly flammable it is harmful by inhalation and may cause serious damages to health in case of prolonged exposition. It may cause dermatitis and allergy by repeated skin contact. If the liquid comes in contact with lungs, may cause chemical pneumonia.

03 COMPOSITION / INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with nonhazardous additions.

| Ingredients | CAS No. | EINECS No. | Conc. (% w/w) | Classification |
|-------------|----------|------------|---------------|--------------------------|
| n-hexane | 110-54-3 | 203-777-6 | 12-18% | F+; R11 Xn; R48/20-62 |
| Toluene | 108-88-3 | 203-625-9 | 15-20% | F+; R12 Xn; R48/20-65 |
| Acetone | 67-64-1 | 200-662-2 | 30-40% | F+; R12 Xi; R36-R66 |

04 FIRST AID MEASURES

4.1 General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 the accident.

4.2 After inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

4.3 After skin contact: Immediately wash with water and soap and rinse thoroughly.

4.4 After eye contact: Rinse opened eye for at least 15 minutes under running water. Consult a doctor.

4.5 After swallowing: If symptoms persist consult doctor.

05 FIRE FIGHTIN MEASURES

5.1 Protective equipment: Mount respiratory protective device and wear protective equipment.

5.2 Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

5.3 For safety reasons unsuitable extinguishing agents: Water with full jet.

06 ACCIDENTAL RELEASE MEASURES

6.1 Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

6.2 Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

6.3 Measures for cleaning/collecting: Dispose contaminated material as waste according to item 13.

- Ensure adequate ventilation.
- Do not flush with water or aqueous cleansing agents.

07 HANDLING AND STORAGE

7.1 Handling:

7.1.1 Information for safe handling: Use only in well ventilated areas.

7.1.2 Information about fire - and explosion protection: No special measures required.

7.2 Storage:

7.2.1 Requirements to be met by storerooms and receptacles: No special requirements.

7.2.2 Information about storage in one common storage facility: Not required.

7.2.3 Further information about storage conditions: None.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Personal protection equipment:

- General protective and hygiene measures
- Take care for sufficient ventilation or exhaust on the workshop place
- Avoid contact with eyes and skin
- Use barrier skin cream
- Remove soiled or soaked clothing immediately
- Do not eat, drink or smoke during work time
- Wash hands before breaks and after work

MATERIAL SAFETY DATA SHEET

(MSDS) According to EC Regulation 1907/2006/EEC and Subsequent Amendments

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8.2 Hand protection:

- Butyl rubber/nitrile rubber gloves

8.3 Eye protection:

- Safety glasses

8.4 Exposure Limits:

For Hexane; TLV = 400 ppm (176 mg/m³)
For Toluene ; TLV = 50 ppm (147 mg / m³)
For Acetone; TLV = 750 ppm (1780 mg/m³)

09 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Form : Viscous liquid
Odour : Characteristic
Colour : Light Yellow

9.2 Important health, safety and environmental information

Boiling Range : 64-110 C

Flash Point : ca -22 C

Viscosity : 1700± 300 cps (20 C)

Danger of explosion : Product is not explosive. However, formation of explosive air/vapour mixtures is possible.

Solubility in / Miscibility with water : Not miscible or difficult to mix.

10 STABILITY AND REACTIVITY

10.1 Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.2 Dangerous reactions:

No dangerous reactions known.

10.3 Dangerous decomposition products:

No dangerous decomposition products known at room temperature.

11 TOXICOLOGICAL INFORMATION

11.1 Toxicity

11.1.1 Primary irritant effect

11.1.2 On the skin: Irritant to skin and mucous membranes.

11.1.3 On the eye: Irritating effect.

11.1.4 Sensitization: Sensitization possible through inhalation. Sensitization possible through skin contact.

11.2 Additional toxicological information

Vapours if inhaled in high concentration may have narcotic effects; prolonged or repeated contacts may cause irritation to the skin and give sensitization , risk of reduction of human fertility.

12 ECOLOGICAL INFORMATION

12.1 General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even small quantities leak into the ground.

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13 DISPOSAL CONSIDERATIONS

13.1 Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Attention: Cured foam can only be removed mechanically. Cured foam is chemically inert and therefore can be disposed of together with household garbage.

13.2 Unclean packaging

13.2.1 Recommendation: Disposal must be made according to official regulations.
Dispose of in accordance with local authority requirements.

14 TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)

| | |
|----------------------|------------|
| ADR/RID class | : 3 |
| UN-Number | : 1133 |
| Packaging group | : II |
| Hazard label | : 3 |
| Description of goods | : ADHESIVE |

Maritime transport IMDG

| | |
|----------------------|------------|
| IMDG Class | : 3 |
| UN Number | : 1133 |
| Label | : 3 |
| Packaging group | : II |
| Marine pollutant | : No |
| Proper shipping name | : ADHESIVE |

Air transport ICAO-TI and IATA-DGR

| | |
|----------------------|------------|
| ICAO/IATA Class | : 3 |
| UN/ID Number | : 1133 |
| Label | : 3 |
| Packaging group | : II |
| Proper shipping name | : ADHESIVE |

15 REGULATORY INFORMATION

15.1 Risk Phrases:

R-11 : Highly flammable
R-20 : Harmful by inhalation
R-36/37 : Irritant to eyes and respiratory
R-38 : Irritating to skin
R48/20 : Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65 : Harmful: may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.

15.2 Safety Phrases

S-9 : Keep container in a well ventilated place
S-16: Keep away from source of ignition. No smoking
S-23 : Do not breath vapours
S-25 : Avoid contact with eyes
S-33 : Take precautionary measures against static discharges

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16 OTHER INFORMATION

All information and instructions provided in this Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS. The company supplying entity shall not be held responsible for any defect in the product covered by this MSDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

Department issuing MSDS: Product safety department.

Contact: Product safety department info@akkim.net