



Ideal Chemical Products Ltd

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Ideal Fix A Foam

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : Ideal Fix A Foam
Supplier : See above
Emergency phone number : 07860287152 (after working hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with non hazardous additions.

Hazardous substances	%	CAS	EINECS	Supply Class
dimethyl ether	2.5-10	115-10-6	204-065-8	F+, R 12
isobutane	2.5-10	75-28-5	200-857-2	F+, R 12
diphenylmethanediisocyanate, isomeres and homologues	25-50	9016-87-9	-	Xn, Xi; R 20-36/37/38-42/43
propane	2.5-10	74-98-6	200-827-9	F+, R 12
butane	≤2.5	106-97-8	203-448-7	F+, R 12

3. HAZARDS IDENTIFICATION

Information concerning particular hazards for human and environment:

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

R 12 : Extremely flammable.
R 20 : Harmful by inhalation.
R 36/37/38 : Irritating to eyes, respiratory system and skin.
R 42/43 : May cause sensitisation by inhalation and skin contact. Contains isocyanates. See information supplied by the manufacturer

Pressurized container : Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Build up of explosive mixtures possible without sufficient ventilation. Keep out of the reach of children

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

Inhalation : Supply fresh air; consult doctor in case of complaints. Take affected persons into fresh air and keep quiet.

Skin contact : Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor. Immediately remove any clothing soiled by the product.

Eye contact : Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion : Do not induce vomiting; call for medical help immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents : Water spray, Foam, Fire-extinguishing powder, Carbon dioxide

Unsuitable extinguishing agents : Water with full jet

Special hazards : Can form explosive gas-air mixtures. Formation of toxic gases is possible during heating or in case of fire. Nitrogen oxides (Nox), Hydrogen chloride (Hcl), Hydrogen cyanide (HCN), Carbon monoxide and carbon dioxide

Protective equipment : Mouth respiratory protective device. Wear self-contained respiratory protective device.

Additional information : Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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6. ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions** : Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources.
- Environmental protection** : Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
- Cleaning/collecting** : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- Additional information** : See Section 13 for disposal information.

7. HANDLING AND STORAGE

- Information for safe handling** : Ensure good ventilation/exhaustion at the workplace. Avoid contact with skin and eyes.
- Fire and explosion protection** : Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- Pressurized container** : Protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent material.
- Storage Requirements** : Store in a cool location. Observe official regulations on storing packagings with pressurized containers.
- Storage in common storage facility** : Not required.
- Further information** : Protect from heat and direct sunlight.

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:	
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues	
WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
115-10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
106-97-8 butane	
WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

- Additional information** : The lists valid during the making were used as basis.
- Protective and hygienic measures** : Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.
- Respiratory protection** : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Recommended filter device** : Filter AX
- Protection of hands** : Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Material of gloves** : Butyl rubber, BR. Recommended thickness of the material: ≥ 0.7 mm
- Penetration time of glove material** : ≥ 60 min. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection** : Tightly sealed goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | | | | |
|-----------------------------|------------------|-----------------------|---------|-------------------|
| Physical state | : Aerosol | Melting Point | : NA | °C |
| Colour | : Various | Boiling Point | : NA | °C |
| Odour | : Characteristic | Density @ 20°C | : 0.987 | g/cm ³ |
| Ignition temperature | : >200 °C | Flash point | : NA | °C |

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10. STABILITY AND REACTIVITY

- Thermal decomposition** : No decomposition if used according to specifications.
Dangerous reactions: : Reacts with alkali, amines and strong acids.
Dangerous decomposition products : Hydrogen chloride (HCl) Hydrogen cyanide (prussic acid) Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

- Skin** : Irritant to skin and mucous membranes.
Eyes : Irritating effect.
Sensitisation : Sensitization possible through inhalation. Sensitization possible through skin contact.
Additional toxicological information : The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful Irritant Vapours have narcotic effect. Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.
Sensitisation : May cause sensitisation by inhalation and skin contact.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

- Product Recommendation** : Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue	
16 05 04	gases in pressure containers (including halons) containing dangerous substances
08 05 01	waste isocyanates
15 01 10	packaging containing residues of or contaminated by dangerous substances

- Unclean packaging** : Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

- ADR/RID class** : 2 5F Gases.
IMDG/ICAO/IATA Class : 2.1
UN Number : 1950
Hazard label : 2.1
Proper shipping name : AEROSOLS

15. REGULATORY INFORMATION

- Hazard-determining components** : diphenylmethanediisocyanate, isomeres and homologues
- Risk phrases** : 12 Extremely flammable.
20 Harmful by inhalation.
36/37/38 Irritating to eyes, respiratory system and skin.
42/43 May cause sensitisation by inhalation and skin contact.
- Safety phrases** : 23 Do not breathe aerosol.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).
35 This material and its container must be disposed of in a safe way.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
51 Use only in well-ventilated areas.

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Special labelling : Contains isocyanates. See information supplied by the manufacturer Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Buildup of explosive mixtures possible without sufficient ventilation. Keep out of the reach of children

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

12	Extremely flammable.
20	Harmful by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
42/43	May cause sensitisation by inhalation and skin contact.