

**Ident-No: ARALDITE 2022 B**

Version 5  
Revision Date 23.12.2005

Print Date 16.01.2007

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

### Product information

Trade name : ARALDITE 2022 B

Use : Acrylate activator

Company : Huntsman Advanced Materials (Europe)BVBA  
Everslaan 45  
3078 Everberg / Belgium

Telephone : +41619661599  
Telefax : +41619661589  
Emergency telephone number : +41 61 966 40 00 (in France ORFILA : +33(0)145425959)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature

Mixture of acrylates  
preparation

### Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrases	Concentration [%]
methyl methacrylate EC-No.: 201-297-1	80-62-6	F, Xi	R11 R37/38 R43	70.00 - 82.00

## 3. HAZARDS IDENTIFICATION

Highly flammable.  
Irritating to eyes, respiratory system and skin.  
May cause sensitization by skin contact.

## 4. FIRST AID MEASURES

Inhalation : Move to fresh air.  
Call a physician immediately.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.  
If eye irritation persists, consult a specialist.

Skin contact : Wash off immediately with soap and plenty of water.  
If skin irritation persists, call a physician.

Ingestion : Immediately give plenty of water (if possible charcoal slurry).  
Do not induce vomiting.  
Obtain medical attention.

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## 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray.  
Carbon dioxide (CO<sub>2</sub>).  
Foam.  
Dry powder.
- Extinguishing media which must not be used for safety reasons : High volume water jet.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.
- Further information : Burning produces obnoxious and toxic fumes.  
Carbon oxides.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Keep away from sources of ignition - No smoking.  
Avoid contact with skin, eyes and clothing.  
Do not breathe vapours/dust.
- Environmental precautions : Do not contaminate surface water.  
Prevent product from entering drains.  
Avoid subsoil penetration.
- Methods for cleaning up : Soak up with inert absorbent material and dispose of as hazardous waste.

## 7. HANDLING AND STORAGE

### Handling

- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
Handle and open container with care.

### Storage

- Further information on storage conditions : Keep away from food, drink and animal feeding stuffs.  
Keep container tightly closed.  
Keep at temperatures between 2 and 8°C.
- Storage hazard class : Storage class 3, Flammable liquids
- Huntsman Advanced Materials

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
methyl methacrylate	80-62-6	210 mg/m3 420 mg/m3		CH-MAK 8H CH-MAK 15M

**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.  
Filter type AX-P2 (organic vapours, particles)
- Eye protection : Tightly fitting safety goggles.
- Hand protection : Material of gloves for long term application (BTT>480 min):  
Butyl rubber  
Ethyl Vinyl Alcohol Laminate (EVAL)  
Material of gloves for short term/splash application (10 min<BTT<480 min):  
Nitrile rubber  
Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US).  
Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.  
Additional information can be found for instance at [www.gisbau.de](http://www.gisbau.de)
- Skin and body protection : long sleeved clothing
- Hygiene measures : Keep away from food, drink and animal feeding stuffs.  
Wash hands before breaks and immediately after handling the product.

**Protective measures** : **Keep away from sources of ignition - No smoking.**  
**Avoid contact with skin, eyes and clothing.**  
**Do not breathe vapours/dust.**

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : viscous
- Form : liquid
- Colour : yellow

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Odour	: pungent
pH	: 8.5 at 50 g/l
Boiling point	: 101 °C
Thermal decomposition	: > 200 °C
Flash point	: 10.6 °C Method: DIN 51755 (Abel-Pensky Closed Cup)
Lower explosion limit	: 2 %(V)
Upper explosion limit	: 12.5 %(V)
Vapour pressure	: < 3,800 Pa at 20 °C
Density	: 0.97 g/cm <sup>3</sup> at 25 °C
Water solubility	: at 20 °C Note: insoluble
Miscibility with water	: immiscible at 20 °C
Viscosity, dynamic	: approx.45 Pa.s at 25 °C

**10. STABILITY AND REACTIVITY**

Conditions to avoid	: Note: Take necessary action to avoid static electricity discharge.
Materials to avoid	: Strong acids and strong bases. Strong oxidizing agents.
Hazardous decomposition products	: Carbon oxides. Burning produces obnoxious and toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	: LD50 rat Dose: > 5,000 mg/kg
Eye irritation	: irritating rabbit
Skin irritation	: irritating rabbit dermal

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Sensitization : Causes sensitization on guinea-pigs.  
guinea pig  
dermal

## 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

Biodegradability : Result: Not readily biodegradable.

### Ecotoxicity effects

### Further information on ecology

Additional ecological information : Avoid subsoil penetration.  
Prevent product from entering drains.  
Do not contaminate surface water.

## 13. DISPOSAL CONSIDERATIONS

Product : Must be incinerated, when in compliance with local regulations.

Container : Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

Contaminated packaging : Waste Key Number: 305055

## 14. TRANSPORT INFORMATION

### Land transport

#### ADR:

UN-No: 1133  
Class: 3  
Classification code: F1  
Packaging group: II  
Risk No.: 33  
ADR/RID-Labels: 3  
Proper shipping name: ADHESIVES

#### RID:

UN-No: 1133  
Class: 3  
Packaging group: II  
Risk No.: 33  
ADR/RID-Labels: 3  
Proper shipping name: ADHESIVES

### Sea transport

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**IMDG:**

UN-No: 1133  
Class: 3  
Packaging group: II  
ADR/RID-Labels: 3  
MFAG:  
EmS: F-E S-D  
Proper shipping name: ADHESIVES

**Air transport**

**IATA-DGR:**

UN/ID No.: UN 1133  
Class: 3  
Packaging group: II  
Packing instruction (cargo aircraft): 307  
Max. Qty/Pack.: 60.00 L  
( 999.00 = No limit )  
Packing instruction (passenger aircraft): 305  
Max. Qty/Pack.: 5.00 L  
( 999.00 = No limit )  
ADR/RID-Labels: 3  
Proper shipping name: ADHESIVES

**15. REGULATORY INFORMATION**

**Labelling according to EEC Directive**

Labelling required

Symbol(s): : F Xi Highly flammable Irritant

R-phrase(s) : R11 R36/37/38 R43 Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.

S-phrase(s) : S9 S16 S24 S29 S33 Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Avoid contact with skin. Do not empty into drains. Take precautionary measures against static discharges.

Hazardous components which must be listed on the : methyl methacrylate EC-No.: 201-297-1

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label

**National legislation**

Water contaminating class : 1 slightly water endangering  
Classified according to annex 4 of the German VwVwS for preparations.

**Notification status**

: EINECS yes

: TSCA yes

: DSL yes

: AICS yes

: KECI (KR) no

: ENCS (JP) no

: INV (CN) yes

: PICCS (PH) yes

**16. OTHER INFORMATION**

**List of R-phrases (Section 2)**

R11 Highly flammable.  
R37/38 Irritating to respiratory system and skin.  
R43 May cause sensitization by skin contact.

All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing nor construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to Huntsman Advanced Materials General Conditions of Sale.