

**Ident-No: AGOMET R**

Version 4  
Revision Date 24.07.2008

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

### Product information

Trade name : AGOMET R

Use : Acrylate for adhesive systems

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

Telephone : +41619661599  
Telefax : +41619661589  
Emergency telephone : +32 35 751 234 (in France ORFILA : +33(0)145425959)  
number

For further Product EHS related questions concerning this document or its contents, please contact:  
E-Mail: [global\\_product\\_ehs\\_admat@huntsman.com](mailto:global_product_ehs_admat@huntsman.com)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature

Formulated methyl methacrylate preparation

### Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrase(s)	Concentration [%]
styrene EC-No.: 202-851-5	100-42-5	Xn	R10 R20 R36/38	30.00 - 60.00
acrylic acid EC-No.: 201-177-9	79-10-7	C, N	R10 R20/21/22 R35 R50	1.00 - 5.00
1,1'-(p-tolylimino)dipropan-2-ol EC-No.: 254-075-1	38668-48-3	T	R25 R52/53	0.10 - 1.00

## 3. HAZARDS IDENTIFICATION

Harmful by inhalation.  
Flammable  
Irritating to eyes and skin.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. FIRST AID MEASURES

General advice : Take off all contaminated clothing immediately.

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

Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes

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- and consult a physician.
- 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.  
Call a physician immediately.

**5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Foam.  
Dry powder.  
Carbon dioxide (CO<sub>2</sub>).
- Extinguishing media which must not be used for safety reasons : Water spray.
- 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 : Ensure adequate ventilation.  
Keep away from sources of ignition - No smoking.  
Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.  
Do not contaminate surface water.  
Avoid subsoil penetration.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**7. HANDLING AND STORAGE**

**Handling**

- Advice on safe handling : Ensure adequate ventilation.  
Handle and open container with care.
- Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharges.

**Storage**

- Further information on storage conditions : Keep away from food, drink and animal feeding stuffs.  
Keep container tightly closed.

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Keep at temperatures between 2 and 40°C.

Storage hazard class : Storage class 3, Flammable liquids  
Huntsman Advanced  
Materials

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
styrene	100-42-5	1,080 mg/m <sup>3</sup> 430 mg/m <sup>3</sup>		GB-OES 15M GB-OES 8H
acrylic acid	79-10-7			

### 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 : Rubber apron  
Rubber or plastic boots.
- Hygiene measures : Take off immediately all contaminated clothing.  
When using, do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.
- Protective measures : Do not breathe vapours/dust.  
Avoid contact with the skin and the eyes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

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Colour	: light yellow
Odour	: sweet
Thermal decomposition	: > 200 °C
Flash point	: > 31 °C Method: estimated
Flash point	: > 31 °C Method: estimated
Ignition temperature	: 490 °C
Lower explosion limit	: 1.1 %(V) Method: estimated
Upper explosion limit	: 8 %(V) Method: estimated
Vapour pressure	: < 600 Pa at 20 °C Method: estimated
Density	: 0.99 g/cm <sup>3</sup> at 20 °C
Water solubility	: approx.< 16 g/l Method: estimated Note: practically insoluble
Miscibility with water	: immiscible
Viscosity, dynamic	: 80,000 - 130,000 mPa.s at 20 °C
Relative vapour density	: approx.1 at 20 °C

**10. STABILITY AND REACTIVITY**

Materials to avoid	: reducing agents heavy metal salts oxidizing agents (strong)
Hazardous decomposition products	: Carbon oxides. Burning produces obnoxious and toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	: LD50 rat Dose: > 5,000 mg/kg Remarks: Information given is based on data on the
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- components and the toxicology of similar products.
- Acute inhalation toxicity : LC50 rat  
Dose: < 5 mg/l  
Remarks: Information given is based on data on the components and the toxicology of similar products.
- Acute dermal toxicity : LD50 rabbit  
Dose: > 2,000 mg/kg  
Remarks: Information given is based on data on the components and the toxicology of similar products.
- Eye irritation : irritating  
rabbit
- Skin irritation : irritating  
rabbit  
Information given is based on data on the components and the toxicology of similar products.
- Sensitization : none  
guinea pig  
dermal  
Information given is based on data on the components and the toxicology of similar products.

**12. ECOLOGICAL INFORMATION**

**Elimination information (persistence and degradability)**

- Biodegradability : Result: Readily biodegradable, according to appropriate OECD test.  
Remarks:  
Information given is based on data on the components and the ecotoxicology of similar products.

**Ecotoxicity effects**

- Toxicity to fish : LC50  
Species: Fish (general)  
Dose: approx. 10 mg/l  
Exposure time: 96 h  
Remarks:  
Information given is based on data on the components and the ecotoxicology of similar products.
- Toxicity to daphnia : EC50  
Species: Daphnia magna Straus 1820  
Dose: approx. 5 mg/l  
Exposure time: 48 h  
Remarks:  
Information given is based on data on the components and the ecotoxicology of similar products.

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Toxicity to algae : EC50  
Species: Selenastrum capricornutum  
Dose: approx. 2 mg/l  
Exposure time: 72 h  
Remarks:  
Information given is based on data on the components and the ecotoxicology of similar products.

Toxicity to bacteria : EC10  
Species: Pseudomonas Putida  
Dose: approx. 70 mg/l  
Remarks:  
Information given is based on data on the components and the ecotoxicology of similar products.

**Further information on ecology**

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

**13. DISPOSAL CONSIDERATIONS**

Product : Waste Key Number: 080402  
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.

**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):	: Xn	Harmful
R-phrase(s)	: R10 R36/37/38 R43 R20 R52/53	Flammable. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Harmful by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	: S16 S26 S37/39 S61	Keep away from sources of ignition. - No smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. Avoid release to the environment. Refer to

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special instructions/safety data sheets.

Hazardous components : styrene  
which must be listed on the label EC-No.: 202-851-5

**National legislation**

**Notification status**

: EINECS yes

: TSCA yes

: DSL yes

: AICS no

: KECI (KR) no

: JEX (JP) no

: INV (CN) no

**16. OTHER INFORMATION**

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

R10	Flammable
R20	Harmful by inhalation.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R25	Toxic if swallowed.
R35	Causes severe burns.
R36/38	Irritating to eyes and skin.
R50	Very toxic to aquatic organisms.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974. Users of products supplied by Huntsman Advanced Materials should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).



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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.