

**Ident-No: AGOMET P76 A**

Version 3  
Revision Date 20.03.2009

Print Date 11.04.2009

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

### Product information

Trade name : AGOMET P76 A

Use : Hardener for adhesive systems

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

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

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. HAZARDS IDENTIFICATION

Harmful in contact with skin.  
May cause sensitization by skin contact.  
Irritating to skin.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Risk of serious damage to eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature

Formulated polyaminoamide preparation

### Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrases	Concentration [%]
polyaminoamide (R38-41-51/53)	68410-23-1	Xi, N	R38 R41 R51/53	10.00 - 30.00
dioxadodecanediamine EC-No.: 230-745-9	7300-34-7	T	R20 R24 R34	3.00 - 7.00
triethylenetetramine EC-No.: 203-950-6	112-24-3	C	R21 R34 R43 R52/53	1.00 - 5.00

## 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 with soap and plenty of water.  
If skin irritation persists, call a physician.
- Ingestion : Immediately give plenty of water (if possible charcoal slurry).  
Call a physician immediately.  
Do not induce vomiting.

## 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam.  
Carbon dioxide (CO<sub>2</sub>).  
Dry powder.
- 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 : 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 : 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 6, Toxic substances  
Huntsman Advanced  
Materials

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
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### 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
- Colour : light green
- Odour : amine-like

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Flash point	: > 100 °C Method: estimated
Ignition temperature	: 245 °C
Lower explosion limit	: 0.7 %(V)
Upper explosion limit	: 7.2 %(V)
Density	: 1.61 g/cm <sup>3</sup> at 20 °C
Water solubility	: at 20 °C Note: partly soluble
Miscibility with water	: immiscible
Viscosity, dynamic	: 135,000 mPa.s at 23 °C

## 10. STABILITY AND REACTIVITY

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: > 2,000 mg/kg Remarks: Information given is based on data on the components and the toxicology of similar products.
Acute dermal toxicity	: LD50 rat Dose: 200 - 400 mg/kg
Eye irritation	: Risk of serious damage to eyes. rabbit
Skin irritation	: irritating rabbit dermal
Sensitization	: sensitizing guinea pig dermal

## 12. ECOLOGICAL INFORMATION

**Elimination information (persistence and degradability)**

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**Biodegradability** : Result: Not readily biodegradable.  
Remarks:  
Information given is based on data on the components and the ecotoxicology of similar products.

**Ecotoxicity effects**

**Toxicity to daphnia** : LC50  
Species: Daphnia  
Dose: 2.8 mg/l  
Exposure time: 48 h  
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: 080406  
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: 2810  
Class: 6.1  
Classification code: T1  
Packaging group: III  
Risk No.: 60  
ADR/RID-Labels: 6.1  
Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S.  
contains: DIOXADODECANE DIAMINE

**RID:**

UN-No: 2810  
Class: 6.1  
Packaging group: III  
Risk No.: 60  
ADR/RID-Labels: 6.1  
Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S.  
contains: DIOXADODECANE DIAMINE

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**Sea transport**

*IMDG:*

UN-No: 2810  
Class: 6.1  
Packaging group: III  
ADR/RID-Labels: 6.1  
MFAG:  
EmS: F-A S-A  
Proper shipping name:  
contains: TOXIC LIQUID, ORGANIC, N.O.S.  
(DIOXADODECANE DIAMINE)

**Air transport**

*IATA-DGR:*

UN/ID No.: UN 2810  
Class: 6.1  
Packaging group: III  
Packing instruction (cargo  
aircraft): 618  
Max. Qty/Pack.: 220.00 L  
( 999.00 = No limit )  
Packing instruction  
(passenger aircraft): 611  
Max. Qty/Pack.: 60.00 L  
( 999.00 = No limit )  
ADR/RID-Labels: 6.1  
Proper shipping name:  
contains: TOXIC LIQUID, ORGANIC, N.O.S.  
(DIOXADODECANE DIAMINE)

**15. REGULATORY INFORMATION**

**Labelling according to EEC Directive**

Labelling required

Symbol(s):	: Xn	Harmful
R-phrased(s)	: R43 R21 R38 R52/53  R41	May cause sensitization by skin contact. Harmful in contact with skin. Irritating to skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Risk of serious damage to eyes.
S-phrased(s)	: S28  S36/37/39	After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.

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S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazardous components which must be listed on the label : polyaminoamide (R38-41-51/53)

dioxadodecanediamine  
EC-No.: 230-745-9  
triethylenetetramine  
EC-No.: 203-950-6

**National legislation**

**Notification status**

: EINECS yes

: TSCA yes

: DSL no

: AICS yes

: KECI (KR) no

: JEX (JP) no

**16. OTHER INFORMATION**

**List of R-phrases (Section 3)**

R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R24	Toxic in contact with skin.
R34	Causes burns.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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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