

Ident-No: AGOMET P76 B

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 B

Use : Component for adhesive applications

Company : Huntsman Advanced Materials (Europe)BVBA
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2. HAZARDS IDENTIFICATION

Irritating to eyes and skin.
May cause sensitization by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Possible risks of irreversible effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Bisphenol A epoxy resin
preparation

Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrases(s)	Concentration [%]
reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700)	25068-38-6	Xi, N	R36/38 R43 R51/53	15.00 - 40.00
neodecanoic acid, oxiranylmethyl ester EC-No.: 247-979-2	26761-45-5	Xi, N	R43 R51/53	7.00 - 13.00
o-cresyl glycidyl ether EC-No.: 218-645-3	2210-79-9	Xn, N	R38 R43 R51/53 R68	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.

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- Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes 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 (CO₂).
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

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Further information on storage conditions : Keep away from food, drink and animal feeding stuffs.
Keep container tightly closed.
Keep at temperatures between 2 and 40 °C.

Storage hazard class : Storage class 10, Environmentally hazardous liquids
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
Neoprene 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

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 grey

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Odour : slight

Thermal decomposition : > 200 °C

Flash point : > 100 °C
Method: estimated

Vapour pressure : < 1 Pa
at 20 °C

Density : 1.55 g/cm³
at 20 °C

Water solubility : at 20 °C
Note: insoluble

Miscibility with water : immiscible
at 20 °C

Viscosity, dynamic : 18 - 25 Pa.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: > 5,000 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
dermal

Sensitization : sensitizing
guinea pig
dermal

Further information : o-CGE is a direct-acting mutagen in in-vitro test systems.
Studies in vivo, including micronucleus tests and assays in transgenic animals, showed no mutagenic activity.

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12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability : Result: Not readily biodegradable.
2 - 3 %
Remarks:
Information given is based on data on the components and the ecotoxicology of similar products.

Ecotoxicity effects

Toxicity to fish : LC50
Species: Rainbow trout
Dose: 3.6 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 : 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: 3082
Class: 9
Classification code: M6

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Packaging group: III
Risk No.: 90
ADR/RID-Labels: 9
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
contains: BISPHENOL A EPOXY RESIN

RID:

UN-No: 3082
Class: 9
Packaging group: III
Risk No.: 90
ADR/RID-Labels: 9
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
contains: BISPHENOL A EPOXY RESIN

Sea transport

IMDG:

UN-No: 3082
Class: 9
Packaging group: III
ADR/RID-Labels: 9
MFAG:
EmS: F-A S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
contains: (BISPHENOL A EPOXY RESIN)

Air transport

IATA-DGR:

UN/ID No.: UN 3082
Class: 9
Packaging group: III
Packing instruction (cargo
aircraft): 914
Max. Qty/Pack.: 450.00 L
(999.00 = No limit)
Packing instruction
(passenger aircraft): 914
Max. Qty/Pack.: 450.00 L
(999.00 = No limit)
ADR/RID-Labels: 9
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
contains: (BISPHENOL A EPOXY RESIN)

15. REGULATORY INFORMATION

Labelling according to EEC Directive

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Labelling required

Symbol(s): : N Dangerous for the environment
Xn Harmful

R-phrase(s) : R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause
long-term adverse effects in the aquatic
environment.
R68 Possible risks of irreversible effects.

S-phrase(s) : S28 After contact with skin, wash immediately
with plenty of soap and water.
S37/39 Wear suitable gloves and eye/face
protection.
S61 Avoid release to the environment. Refer to
special instructions/safety data sheets.

Exceptional labelling of : Contains epoxy constituents. See information supplied by the
special preparations manufacturer.

Hazardous components : reaction product: bisphenol A-(epichlorhydrin); epoxy resin
which must be listed on the (number average molecular weight < 700)
label
o-cresyl glycidyl ether
EC-No.: 218-645-3
neodecanoic acid, oxiranylmethyl ester
EC-No.: 247-979-2

National legislation

Notification status

: EINECS yes

: TSCA yes

: DSL yes

: AICS yes

: KECI (KR) no

: JEX (JP) no

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16. OTHER INFORMATION

List of R-phrases (Section 3)

R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R68	Possible risks of irreversible effects.

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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