

Ident-No: AGOMET HARDENER PASTE WHITE

Version 2
Revision Date 24.07.2008

Print Date 29.07.2008

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

Product information

Trade name : AGOMET HARDENER PASTE WHITE

Use : Acrylate activator

Company : Huntsman Advanced Materials (Europe)BVBA
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number

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Peroxyde based paste
preparation

Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrase(s)	Concentration [%]
dibenzoyl peroxide EC-No.: 202-327-6	94-36-0	E, Xi	R2 R36 R43	30.00 - 60.00
diisobutyl phthalate EC-No.: 201-553-2	84-69-5			15.00 - 40.00

3. HAZARDS IDENTIFICATION

May cause fire.
Irritating to eyes.
May cause sensitization by skin contact.

4. FIRST AID MEASURES

Inhalation : Move to fresh air.
If symptoms persist, call a physician.

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

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).

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Call a physician immediately.
Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO2).
Foam.
Dry powder.
- Extinguishing media which must not be used for safety reasons : Water spray.
halons
- 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 : Use personal protective equipment.
Do not breathe vapours/dust.
- Environmental precautions : Prevent product from entering drains.
Do not contaminate surface water.
Avoid subsoil penetration.
- Methods for cleaning up : Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling

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

Storage

- Further information on storage conditions : Keep away from food, drink and animal feeding stuffs.
Keep container tightly closed.
Store in original container.
Keep at temperatures between 2 and 18°C.

- Storage hazard class : Storage class 5, Oxidizing substances
- Huntsman Advanced Materials

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
dibenzoyl peroxide	94-36-0	5 mg/m ³		GB-OES 8H
diisobutyl phthalate	84-69-5	5 mg/m ³		GB-OES 8H

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
- Hygiene measures : Take off immediately all contaminated clothing.
Keep working clothes separately.
- Protective measures : Avoid contact with skin, eyes and clothing.
Do not breathe vapours/dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : paste
- Colour : white
- Odour : slight
- Melting point : -10 °C
- Thermal decomposition : 50 °C
Method: measured

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Flash point : Note: not applicable

Ignition temperature : > 380 °C

Density : 1.14 - 1.17 g/cm³
at 20 °C

Water solubility : at 20 °C
Note: insoluble

Miscibility with water : immiscible

10. STABILITY AND REACTIVITY

Conditions to avoid : Note: Thermal decomposition can take place above +45°C.

Materials to avoid : Reacts violently in contact with acids, amines, driers, polymerization accelerators and easily oxidized materials.

Hazardous decomposition products : Burning produces obnoxious and toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: > 2,000 mg/kg
Method: Data based on tests on similar product.

Acute inhalation toxicity : LC50 rat
Dose: > 24 mg/l
Remarks: Information given is based on data on the components and the toxicology of similar products.

Eye irritation : irritating
rabbit

Sensitization : Causes sensitization.
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.

Ecotoxicity effects

Toxicity to fish : LC50
Species: Fish (general)

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Dose: 3 mg/l
Exposure time: 96 h

Toxicity to daphnia : LC50
Species: Daphnia magna Straus 1820
Dose: > 3.7 mg/l
Exposure time: 48 h
Remarks:
Information given is based on data on the components and the ecotoxicology of similar products.

Toxicity to algae : IC50
Species: Algae
Dose: 1 mg/l
Exposure time: 72 h
Remarks:
Information given is based on data on the components and the ecotoxicology of similar products.

Further information on ecology

Additional ecological information : Avoid subsoil penetration.
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: 3108
Class: 5.2
Classification code: P1
Packaging group:
Risk No.:
ADR/RID-Labels: 5.2
Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
contains: DIBENZOYL PEROXIDE

RID:

UN-No: 3108
Class: 5.2

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Packaging group:
Risk No.:
ADR/RID-Labels: 5.2
Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
contains: DIBENZOYL PEROXIDE

Sea transport

IMDG:

UN-No: 3108
Class: 5.2
Packaging group:
ADR/RID-Labels: 5.2
MFAG:
EmS: F-J S-R
Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
contains: (DIBENZOYL PEROXIDE)

Air transport

IATA-DGR:

UN/ID No.: UN 3108
Class: 5.2
Packaging group:
Packing instruction (cargo aircraft): 513
Max. Qty/Pack.: 25.00 KG
(999.00 = No limit)
Packing instruction (passenger aircraft): 510
Max. Qty/Pack.: 10.00 KG
(999.00 = No limit)
ADR/RID-Labels: 5.2
Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
contains: (DIBENZOYL PEROXIDE)

15. REGULATORY INFORMATION

Labelling according to EEC Directive

Labelling required

Symbol(s):	: O Xi	Oxidizing Irritant
R-phrase(s)	: R 7 R36 R43	May cause fire. Irritating to eyes. May cause sensitization by skin contact.
S-phrase(s)	: S3/7	Keep container tightly closed in a cool place.

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S14	Keep away from easily oxidizable materials.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S50	Do not mix with peroxide-accelerators or reducing agents.

Hazardous components which must be listed on the label : dibenzoyl peroxide
EC-No.: 202-327-6

National legislation

Notification status

: EINECS yes
: TSCA yes
: DSL yes
: AICS yes
: KECI (KR) yes
: ENCS (JP) yes

16. OTHER INFORMATION

List of R-phrases (Section 2)

R2	Risk of explosion by shock, friction, fire or other sources of ignition.
R36	Irritating to eyes.
R43	May cause sensitization by skin contact.

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).

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

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