

**Ident-No: ARALDITE 2024 B**

Version 3  
Revision Date 20.03.2009

Print Date 09.05.2009

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

### Product information

Trade name : ARALDITE 2024 B

Use : Acrylate adhesive

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

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Telefax : +41619661589  
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## 2. HAZARDS IDENTIFICATION

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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature

preparation

### Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrase(s)	Concentration [%]
bisphenol A - epoxy resins, number average MW >700 - <1100	25068-38-6	Xi	R43 R36/38	15.00 - 30.00
dibenzoyl peroxide EC-No.: 202-327-6	94-36-0	E, Xi	R2 R36 R43	15.00 - 30.00
benzyl butyl phthalate EC-No.: 201-622-7	85-68-7	N, T	R50/53 R62 R61	5.00 - 15.00

## 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.

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

## 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 : Prevent product from entering drains.  
Do not contaminate surface water.  
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 10, Environmentally hazardous 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
dibenzoyl peroxide	94-36-0	5 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>		CH-MAK 8H CH-MAK 15M
benzyl butyl phthalate	85-68-7			

### Engineering measures

No special precautions required.

### 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](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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : paste
- Colour : blue

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Odour	: slight
pH	: 7 at 50 g/l
Thermal decomposition	: > 200 °C
Flash point	: > 250 °C Method: DIN 51755 (Abel-Pensky Closed Cup)
Density	: 1.07 g/cm <sup>3</sup> at 25 °C
Water solubility	: at 20 °C Note: insoluble
Miscibility with water	: immiscible at 20 °C
Viscosity, dynamic	: 40 - 80 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.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	: LD50 rat Dose: > 5,000 mg/kg
Eye irritation	: irritating rabbit
Skin irritation	: irritating rabbit dermal
Sensitization	: Causes sensitization. guinea pig dermal

**12. ECOLOGICAL INFORMATION**

**Elimination information (persistence and degradability)**

Biodegradability	: Result: Not readily biodegradable.
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**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: 3082  
Class: 9  
Classification code: M6  
Packaging group: III  
Risk No.: 90  
ADR/RID-Labels: 9  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
contains: BENZYL BUTYL PHTHALATE

*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: BENZYL BUTYL PHTHALATE

**Sea transport**

*IMDG:*

UN-No: 3082  
Class: 9

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Packaging group: III  
ADR/RID-Labels: 9  
MFAG:  
EmS: F-A S-F  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
contains: (BENZYL BUTYL PHTHALATE)  
MARINE POLLUTANT

**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: (BENZYL BUTYL PHTHALATE)

**15. REGULATORY INFORMATION**

**Labelling according to EEC Directive**

Labelling required

Symbol(s): : Xi Irritant

R-phrases) : R36/38 Irritating to eyes and skin.  
R43 May cause sensitization by skin contact.

S-phrases) : S3/7 Keep container tightly closed in a cool place.  
S15 Keep away from heat.  
S28 After contact with skin, wash immediately with plenty of soap and water.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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

Hazardous components : bisphenol A - epoxy resins, number average MW >700 - <1100

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which must be listed on the  
label

dibenzoyl peroxide  
EC-No.: 202-327-6

**National legislation**

Water contaminating class : 2 water endangering  
Classified according to annex 4 of the German VwVwS for  
preparations.

**Notification status**

- : TSCA yes  
INVENTORY status confirmed by supplier (secret CAS-No)
- : DSL yes  
INVENTORY status confirmed by supplier (secret CAS-No)
- : EINECS yes  
INVENTORY status confirmed by supplier (secret CAS-No)
- : ENCS (JP) yes  
INVENTORY status confirmed by supplier (secret CAS-No)

**16. OTHER INFORMATION**

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

R2	Risk of explosion by shock, friction, fire or other sources of ignition.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.
R61	May cause harm to unborn child.
R62	Possible risk of impaired fertility.

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.

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