

Ident-No: ARALDITE AV4738/HV4739

Version 2
Revision Date 21.03.2009

Print Date 12.04.2009

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

Product information

Trade name : ARALDITE AV4738/HV4739

Use : 2-Component adhesive system

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

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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

2. HAZARDS IDENTIFICATION

Refer to SDS for individual components of the pack.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Working pack (preparation)

4. FIRST AID MEASURES

General advice : Refer to SDS for individual components of the pack.

5. FIRE-FIGHTING MEASURES

Further information : Refer to SDS for individual components of the pack.

6. ACCIDENTAL RELEASE MEASURES

Additional advice : Refer to SDS for individual components of the pack.

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7. HANDLING AND STORAGE

Storage

Further information on storage conditions : Keep at temperatures between 2 and 40 °C.
Storage hazard class : Storage class 8, Corrosive substances
Huntsman Advanced Materials

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Control parameters | Update | Basis |
|------------|---------|--------------------|--------|-------|
|------------|---------|--------------------|--------|-------|

Personal protective equipment

Protective measures : Refer to SDS for individual components of the pack.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : paste
Flash point : > 100 °C
Method: DIN 51758 (Pensky-Martens Closed Cup)
Density : 1.65 g/cm³
Miscibility with water : immiscible
at 20 °C

10. STABILITY AND REACTIVITY

Hazardous decomposition products : Refer to SDS for individual components of the pack.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (other route) : Remarks: Refer to SDS for individual components of the pack.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Further information on ecology

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13. DISPOSAL CONSIDERATIONS

Product : Waste Key Number: 070208
Must be incinerated, when in compliance with local regulations.

Container : Empty containers can be landfilled, when in compliance with
the Environmental Protection (Duty of Care) Regulations 1991.

14. TRANSPORT INFORMATION

Land transport

ADR:

UN-No: 2735
Class: 8
Classification code: C7
Packaging group: II
Risk No.: 80
ADR/RID-Labels: 8
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
contains: TRIETHYLENE TETRAMINE
contains: 4,4'-METHYLENEBIS(CYCLOHEXYLAMINE)

RID:

UN-No: 2735
Class: 8
Packaging group: II
Risk No.: 80
ADR/RID-Labels: 8
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
contains: TRIETHYLENE TETRAMINE
contains: 4,4'-METHYLENEBIS(CYCLOHEXYLAMINE)

Sea transport

IMDG:

UN-No: 2735
Class: 8
Packaging group: II
ADR/RID-Labels: 8
MFAG:
EmS: F-A S-B
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
contains: (TRIETHYLENE TETRAMINE)
contains: (4,4'-METHYLENEBIS(CYCLOHEXYLAMINE))

Air transport

IATA-DGR:

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| | |
|---|--|
| UN/ID No.: | UN 2735 |
| Class: | 8 |
| Packaging group: | II |
| Packing instruction (cargo aircraft): | 812 |
| Max. Qty/Pack.: (999.00 = No limit) | 30.00 L |
| Packing instruction (passenger aircraft): | 808 |
| Max. Qty/Pack.: (999.00 = No limit) | 1.00 L |
| ADR/RID-Labels: | 8 |
| Proper shipping name: contains: contains: | AMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENE TETRAMINE) (4,4'-METHYLENEBIS(CYCLOHEXYLAMINE)) |

15. REGULATORY INFORMATION

Labelling according to EEC Directive

Labelling required

| | | |
|--|---|---|
| Symbol(s): | : C N | Corrosive Dangerous for the environment |
| R-phrase(s) | : R21 R34 R43 R51/53 | Harmful in contact with skin. Causes burns. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| S-phrase(s) | : S26 S36/37/39 S45 S61 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). Avoid release to the environment. Refer to special instructions/safety data sheets. |
| Exceptional labelling of special preparations | : Contains epoxy constituents. See information supplied by the manufacturer. | |
| Hazardous components which must be listed on the label | : reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700) triethylenetetramine EC-No.: 203-950-6 4,4'-methylenebis(cyclohexylamine) EC-No.: 217-168-8 | |

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National legislation

Notification status

16. OTHER INFORMATION

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 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.