

# SAFETY DATA SHEET



ARALDITE 2015 CI

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

### Identification of the substance or mixture

**Product name** : ARALDITE 2015 CI  
**Product type** : Liquid.  
**Product description** : Working pack (preparation)  
**Use of the substance/mixture** : 2-Component adhesive system

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## 2. HAZARDS IDENTIFICATION

Refer to SDS for individual components of the pack.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation** : Working pack (preparation)

Refer to SDS for individual components of the pack.

## 4. FIRST AID MEASURES

Refer to SDS for individual components of the pack.

## 5. FIRE-FIGHTING MEASURES

Refer to SDS for individual components of the pack.

## 6. ACCIDENTAL RELEASE MEASURES

Refer to SDS for individual components of the pack.

## 7. HANDLING AND STORAGE

**Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Refer to special instructions/safety data sheet. Keep in the original

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## 7. HANDLING AND STORAGE

container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage** : Store between the following temperatures: 2 to 40°C (35.6 to 104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

**Storage hazard class** : Storage class 10, Environmentally hazardous liquids  
**Huntsman Advanced Materials**

### Packaging materials

**Recommended** : Use original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
No exposure limit value known.	

Refer to SDS for individual components of the pack.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

#### Appearance

**Physical state** : Liquid. [Paste.]

### Important health, safety and environmental information

**Flash point** : Closed cup: >100°C (>212°F) [DIN 51758 EN 22719 (Pensky-Martens Closed Cup)]

**Density** : 1.4 g/cm<sup>3</sup> [20°C (68°F)]

## 10. STABILITY AND REACTIVITY

Refer to SDS for individual components of the pack.

## 11. TOXICOLOGICAL INFORMATION

Refer to SDS for individual components of the pack.

## 12. ECOLOGICAL INFORMATION

Refer to SDS for individual components of the pack.

## 13. DISPOSAL CONSIDERATIONS

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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## 13. DISPOSAL CONSIDERATIONS

**European waste catalogue (EWC)** : The relevant EU Directives and local, regional and national regulations must be complied with. It is among the tasks of the end user to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste catalogue. It is recommended that the details be agreed with the waste disposer responsible.

07 02 08\*

07 02 08\* other still bottoms and reaction residues

**Hazardous waste** : Yes.

## 14. TRANSPORT INFORMATION

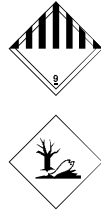
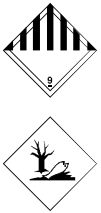
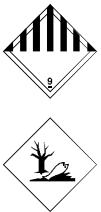
### International transport regulations

#### Proper shipping name

**ADR** : Environmentally hazardous substance, liquid, n.o.s. BISPHENOL A/F EPOXY RESIN (NAPHTHALENE, BIS(1-METHYLETHYL)-)

**IMDG** : Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A/F EPOXY RESIN) (NAPHTHALENE, BIS(1-METHYLETHYL)-). Marine pollutant (Reaction product: bisphenol A- (epichlorhydrin); epoxy resin (number average molecular weight < 700), )

**IATA** : Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A/F EPOXY RESIN) (NAPHTHALENE, BIS(1-METHYLETHYL)-)

Regulatory information	UN number	Classes	Packing group	Label	Additional information
<b>Land - road/railway ADR/RID Class</b>	UN3082	9	III		<b>Classification code</b> M6 <b>Hazard identification number</b> 90
<b>Sea IMDG Class</b>	UN3082	9	III		<b>Emergency schedules (EmS)</b> F-A, S-F
<b>Air IATA Class</b>	UN3082	9	III		<b>Passenger and Cargo Aircraft</b> Quantity limitation: 450 L Packaging instructions: 914 <b>Cargo Aircraft Only</b> Quantity limitation: 450 L Packaging instructions: 914

## 15. REGULATORY INFORMATION

### EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

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## 15. REGULATORY INFORMATION

Hazard symbol or symbols :



Xi, N Irritant, Dangerous for the environment

Risk phrases

: R36/38- Irritating to eyes and skin.  
R43- May cause sensitisation by skin contact.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

: S24- Avoid contact with skin.  
S37- Wear suitable gloves.  
S61- Avoid release to the environment. Refer to special instructions/safety data sheet.

Contains

: reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700)  
2-propenenitrile polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-4-[[2-(1-piperazinyl)ethyl]amino]butyl-terminated  
bisphenol F-epoxy resin  
butanedioldiglycidyl ether

Exceptional labelling of special preparations

: Contains epoxy constituents. See information supplied by the manufacturer.

### International regulations

#### International lists

Europe inventory

: All components are listed or exempted.

United States inventory (TSCA 8b)

: All components are listed or exempted.

Canada inventory

: All components are listed or exempted.

Australia inventory (AICS)

: All components are listed or exempted.

China inventory (IECSC)

: All components are listed or exempted.

Japan inventory (ENCS)

: All components are listed or exempted.

Korea inventory (KECI)

: All components are listed or exempted.

Philippines inventory (PICCS)

: All components are listed or exempted.

## 16. OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK)

: R20/21- Harmful by inhalation and in contact with skin.  
R21/22- Harmful in contact with skin and if swallowed.  
R34- Causes burns.  
R36- Irritating to eyes.  
R36/38- Irritating to eyes and skin.  
R43- May cause sensitisation 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.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)

: C - Corrosive  
Xn - Harmful  
Xi - Irritant  
N - Dangerous for the environment

### References

Epoxy Resins and Curing Agents; Toxicology, Health, Safety and Environmental Aspects (Plastics Europe, May 2006)

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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## 16. OTHER INFORMATION

### History

**Date of printing** : 1/25/2011.  
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**Date of previous issue** : No previous validation.  
**Version** : 1

✔ Indicates information that has changed from previously issued version.

### Notice to reader

*While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.*

**IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.**

**THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.**

*Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.*

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