

Material Safety Data Sheet

1 . Identification of the material and supplier

Product name	: ARALDITE® KIT K 630 B
ARALDITE® is a registered trademark of Huntsman Corporation or an affiliate thereof in one or more countries, but not all countries.	
Other names	: Not available.
Proper shipping name	: Amines, liquid, corrosive, n.o.s. (DIETHYLENE TRIAMINE) (TRIETHYLENE TETRAMINE)
Recommended use	: Hardener for adhesive systems
Supplier name and address	: Huntsman Advanced Materials (Australia) Pty Ltd ACN:09162879 Gate 3, 765 Ballarat Road Deer Park Victoria 3023 Australia
Telephone	: +613 9933 6691 (Customer Service: Huntsman Advanced Materials) 1300 366 819 (Toll-free - Australia only) 0800 441 216 (Toll-free- New Zealand only)
e-mail address for MSDS information	: Global_Product_EHS_AdMat@huntsman.com
Emergency telephone number	: Australia: 1800 786 152 (ALL HOURS) International: +65 6336 6011 (ALL HOURS)

2 . Hazards identification

Hazard classification : HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

This material is classified as hazardous according to Australian criteria.

Classified as Dangerous Goods for the purpose of transport by road, rail, sea or air. Refer to relevant regulations for storage and transport requirements.

Risk phrase(s) : R62- Possible risk of impaired fertility.
R21/22- Harmful in contact with skin and if swallowed.
R34- Causes burns.
R37- Irritating to respiratory system.
R43- May cause sensitisation by skin contact.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrase(s) : S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28- S28- After contact with skin, wash immediately with plenty of water.
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
S46- If swallowed, seek medical advice immediately and show this container or label.

Poison schedule (Australia) : S5

Material Safety Data Sheet

3. Composition/information on ingredients

Physical state : Liquid.
Colour / Appearance : Blue., Clear.

Ingredient name	CAS number	Concentration (%)
Diethylenetriamine	111-40-0	30 - 60
4,4'-isopropylidenediphenol	80-05-7	10 - <30
triethylenetetramine	112-24-3	< 10
Other ingredients determined not to be hazardous	-	to 100

4. First-aid measures

Ingestion

Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Eye contact

Get medical attention immediately. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Skin contact

Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation

Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Medical Attention and Special Treatment

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 1126; New Zealand 0800 764 766.

Material Safety Data Sheet

5 . Fire-fighting measures

Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

Hazardous combustion products

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Precautions for fire fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazchem code : 2X

6 . Accidental release measures

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material.

Methods and materials for containment and clean-up procedures

Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Material Safety Data Sheet

7. Handling and storage

Precautions for safe 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 breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

Precautions for safe 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. Separate from acids. 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.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. Exposure controls/personal protection

National exposure standards

Ingredient name

Diethylenetriamine

Exposure limits

Safe Work Australia (Australia, 8/2005). Absorbed through skin.

TWA: 4.2 mg/m³ 8 hours.

TWA: 1 ppm 8 hours.

Notes:

Exposure standard (TWA): the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit): the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour work day.

Peak Limitation Notice: a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

Skin Absorption Notice: absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Sensitiser Notice: the substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.

The Exposure Standards listed represent airborne concentrations of individual chemical substances which, according to current knowledge, should neither impair the health of, nor cause undue discomfort to, nearly all workers. They are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Biological limit values

No biological limit allocated.

Engineering controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Material Safety Data Sheet

8 . Exposure controls/personal protection

If cured material made from this product is to be cut or sanded, ensure that dust is kept below the Australian Exposure Standard for inspirable dusts (10mg/m³) or the ACGIH Exposure Standard for respirable dusts (3mg/m³).

Personal protective equipment

Eyes

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Refer to Australian/New Zealand Standard AS/NZS 1337:1992 for guidance on selection and use of protective eyewear.

Hands

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): Ethyl Vinyl Alcohol Laminated (EVAL), butyl rubber

Refer to Australian/New Zealand Standard AS/NZS 2161.1: 2000 for guidance on selection and use of protective gloves.

Respiratory

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Refer to Australian/New Zealand Standard AS/NZS 1715 and AS/NZS 1716 for guidance on selection and use of respiratory devices.

Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9 . Physical and chemical properties

Physical state : Liquid.
Colour / Appearance : Blue., Clear.
Solubility : Partially soluble in water

Density	: 1 to 1.05 g/cm ³ [25°C]	Vapour density	: Not available.
Specific gravity	: Not available.	Vapour pressure	: <0.1 kPa (<0.75 mm Hg) [room temperature]
Boiling point	: 200°C	Flash point	: Closed cup: >100°C [DIN 51758 EN 22719 (Pensky-Martens Closed Cup)]
Melting point	: Not available.	Flammable limits	: Not available.
Viscosity	: Dynamic (room temperature): 700 to 900 mPa·s	Auto-ignition temperature	: Not available.
pH	: 13 [Conc. (% w/w): 50%]		

(Typical values only - consult specification sheet)

Material Safety Data Sheet

10 . Stability and reactivity

- Chemical stability** : The product is stable.
- Conditions to avoid** : No specific data.
- Materials to avoid** : Reactive or incompatible with the following materials: oxidizing materials, metals and acids.
strong acids, strong bases, strong oxidising agents
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous Reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

11 . Toxicological information

Potential acute health effects

- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.
- Skin contact** : Corrosive to the skin. Causes burns. Harmful in contact with skin. May cause sensitisation by skin contact.
- Eye contact** : Corrosive to eyes. Causes burns.
- Inhalation** : Irritating to respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Acute toxicity

Product/ingredient name	Exposure	Species	Dose	Result
Diethylenetriamine	LD50 Dermal	Rabbit	1045 mg/kg	-
	LD50 Oral	Rat - Male	1620 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat - Male, Female	0.185 mg/l	4 hours
	NOEC Inhalation Dusts and mists	Rat - Male, Female	0.07 mg/l	4 hours
	4,4'-isopropylidenediphenol	LD50 Dermal	Rabbit - Male	6400 mg/kg
LD50 Oral		Rat - Male, Female	2000 to 5000 mg/ kg	-
LC50 Inhalation Dusts and mists		Rat - Male, Female	>170 mg/m ³	6 hours
triethylenetetramine	LD50 Dermal	Rabbit - Male, Female	1465 mg/kg	-
	LD50 Oral	Rat - Male, Female	1716 mg/kg	-
ARALDITE KIT K 630 B	LD50 Oral	Rat	2600 to 2700 mg/ kg	-

Potential chronic health effects

Chronic toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
Diethylenetriamine	Sub-chronic NOEL Oral	Rat - Male, Female	70 to 80 mg/kg/d	13 weeks; 7 days per week	
	Chronic NOAEL Dermal	Rat - Male, Female	114 mg/kg/d	400 days; 6 days per week	
	Sub-acute NOEC Inhalation	Rat - Male, Female	550 mg/m ³	15 days	
	4,4'-isopropylidenediphenol	Sub-chronic LOAEL Oral	Rat - Male, Female	600 mg/kg	28 days; 7 days per week
		Sub-chronic	Rat - Male,	10 mg/m ³	13 weeks; 6

Material Safety Data Sheet

11 . Toxicological information

	NOEC Inhalation	Female		hours per day
	Dusts and mists			
triethylenetetramine	Sub-chronic NOAEL Oral	Rat - Male, Female	50 mg/kg/d	26 weeks

Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Diethylenetriamine	Negative - Dermal - NOEL	Mouse - Male	56.3 mg/kg	3 days per week
4,4'-isopropylidenediphenol	Negative - Oral - NOAEL	Rat - Male, Female	-	103 weeks; 7 days per week
triethylenetetramine	Negative - Dermal - NOAEL	Mouse - Male	42 mg/kg	3 days per week

Mutagenicity

Product/ingredient name	Test	Experiment	Result
Diethylenetriamine	EPA CFR	Experiment: In vivo Subject: Insect	Negative
	OECD 474 Mammalian Erythrocyte Micronucleus Test	Experiment: In vivo Subject: Mammalian- Animal Cell: Somatic	Negative
4,4'-isopropylidenediphenol	-	Experiment: In vitro Subject: bacteria/yeast Metabolic activation: +/-	Negative
	OECD 474 Mammalian Erythrocyte Micronucleus Test	Experiment: In vivo Subject: Mammalian- Animal	Negative
triethylenetetramine	-	Experiment: In vivo Subject: Mammalian- Animal Cell: Somatic	Negative

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
4,4'-isopropylidenediphenol	Negative - Oral	Rat - Female	640 mg/kg NOAEL	-
triethylenetetramine	Negative - Oral	Rat	>750 mg/kg NOAEL	10 days; 7 days per week
	Negative - Dermal	Rabbit	125 mg/kg NOAEL	13 days; 6 hours per day

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	Exposure
Diethylenetriamine	-	Positive	Negative	Rat - Male, Female	Oral: 100 mg/ kg NOAEL	29 days
4,4'-isopropylidenediphenol	Positive	Negative	Negative	Rat - Male, Female	Oral: 5 mg/kg NOAEL	7 days per week

Chronic effects : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Material Safety Data Sheet

11 . Toxicological information

Fertility effects : May impair fertility, based on animal data.

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
reduced foetal weight
increase in foetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
stomach pains
reduced foetal weight
increase in foetal deaths
skeletal malformations

Skin : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
reduced foetal weight
increase in foetal deaths
skeletal malformations

Eyes : Adverse symptoms may include the following:
pain
watering
redness

Target organs : Contains material which may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract.

12 . Ecological information

Environmental effects : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Diethylenetriamine	No official guidelines	Acute EC50 32 mg/l Fresh water	Daphnia	48 hours Static
	OECD 201 Alga, Growth Inhibition Test	Acute EbC50 (biomass) 1164 mg/l Fresh water	Algae	72 hours Static
	EU EC C.1 Acute Toxicity for Fish	Acute LC50 430 mg/l Fresh water	Fish	96 hours Semi-static
	OECD OECD 210 - Fish, Early-Life Stage Toxicity Test	Chronic NOEC 10 mg/l Fresh water	Fish	28 days Semi-static
	OECD 201 Alga, Growth Inhibition Test	Chronic NOEC 10 mg/l Fresh water	Algae	72 hours Static
	No official guidelines	Chronic NOEC 6 mg/l Fresh water	Bacteria	3 hours Static
	EU	Chronic NOEC 5.	Daphnia	21 days Semi-

Material Safety Data Sheet

12 . Ecological information

		6 mg/l Fresh water		static
4,4'-isopropylidenediphenol	-	Acute EC50 3.9 to 10.2 mg/l	Daphnia	48 hours
	-	Acute EC50 2.5 to 3.1 mg/l	Algae - Green algae	96 hours
	-	Acute LC50 7.5 mg/l	Fish - Rainbow trout (Oncorhynchus mykiss, Salmo gairdneri)	96 hours
triethylenetetramine	-	Acute EC50 800 mg/l Fresh water	Bacteria	30 minutes Static
	-	Acute EC50 31.1 mg/l Fresh water	Daphnia	48 hours Static
	OECD 201 Alga, Growth Inhibition Test	Acute ErC50 (growth rate) 20 mg/l Fresh water	Algae	72 hours Semi-static
	-	Acute LC50 330 mg/l Fresh water	Fish	96 hours Static
	OECD OECD 202: Part II (Daphnia sp., Reproduction Test	Chronic EC50 10 mg/l Fresh water	Daphnia	21 days Semi-static

Conclusion/Summary : Not available.

Biodegradability

Product/ingredient name	Test	Result	Dose	Inoculum
Diethylenetriamine	OECD 301D Ready Biodegradability - Closed Bottle Test	87 % - Readily - 21 days	Oxygen consumption	Activated sludge
4,4'-isopropylidenediphenol	-	1 to 2 % - Not readily - 28 days	-	-
triethylenetetramine	OECD 302A Inherent Biodegradability: Modified SCAS Test	20 % - 84 days	DOC	Activated sludge
	OECD 301D Ready Biodegradability - Closed Bottle Test	0 % - Not readily - 28 days	Oxygen consumption	Activated sludge

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Diethylenetriamine	-	-	Readily
4,4'-isopropylidenediphenol	-	-	Not readily
triethylenetetramine	-	-	Not readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Diethylenetriamine	-1.58	0.3 to 6.3	low
triethylenetetramine	-1.4 to 2.9	99	low

Material Safety Data Sheet

12 . Ecological information

Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.

13 . Disposal considerations

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. 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.

14 . Transport information

Road and rail transport




Classified as dangerous goods by the criteria of the Australian Dangerous Goods (ADG) Code for transport by road and rail.

Marine transport

Classified as dangerous goods by the criteria of the International Maritime Dangerous Goods (IMDG) Code for transport by sea.

Air transport

Classified as dangerous goods by the criteria of the International Air Transport Association (IATA) Code for transport by air.

Regulation	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADG	UN2735	Amines, liquid, corrosive, n. o.s. (DIETHYLENE TRIAMINE) (TRIETHYLENE TETRAMINE)	8	II		Hazchem code 2X
IMDG	UN2735	Amines, liquid, corrosive, n. o.s. (DIETHYLENE TRIAMINE) (TRIETHYLENE TETRAMINE)	8	II		Emergency schedules (EmS) F-A, S-B
IATA	UN2735	Amines, liquid, corrosive, n. o.s. (DIETHYLENE TRIAMINE) (TRIETHYLENE TETRAMINE)	8	II		Passenger and Cargo Aircraft Quantity limitation: 1 L Packaging instructions: 851 Cargo Aircraft Only Quantity limitation: 30 L Packaging instructions: 855

Material Safety Data Sheet

14 . Transport information

PG* : Packing group

15 . Regulatory information

Inventory status

Country	Inventory	Status
Australia	AICS	All components are listed or exempted.
Canada	DSL	All components are listed or exempted.
China	IECSC	All components are listed or exempted.
Europe	EINECS/ELINCS/NLP	All components are listed or exempted.
Japan	ENCS	All components are listed or exempted.
Korea	KECI	All components are listed or exempted.
New Zealand	NZIoC	All components are listed or exempted.
Philippines	PICCS	At least one component is not listed.
United States	TSCA	All components are listed or exempted.

Carcinogen schedule (Australia) : None Allocated.

Poison schedule (Australia) : S5

16 . Other information

 Indicates information that has changed from previously issued version.

Disclaimer

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.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED HUNTSMAN EMPLOYEE IS AUTHORIZED TO PROVIDE OR MAKE AVAILABLE DATA SHEETS FOR HUNTSMAN PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS,

Product name: ARALDITE® KIT K 630 B

MSDS number: 00048698

Issue date: 15 March 2013

Version: 1

Page: 11/12

Material Safety Data Sheet



16 . Other information

WITHOUT PERMISSION IN WRITING FROM HUNTSMAN. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET SHOULD BE DIRECTED TO HUNTSMAN, MANAGER, PRODUCT SAFETY AT THE ABOVE ADDRESS