

MATERIAL SAFETY DATA SHEET FOR AEROFOAM® XLPE GLUE

1. Identification of the substance / preparation and of the company / undertaking

Product name	Aerofoam XLPE glue
Use of the substance / preparation	Synthetic Rubber Based Adhesive
Manufacturer / supplier	Hira Industries LLC, Dubai Investment Park 2, PO Box No. 50673, Dubai, United Arab Emirates.
Information on material safety data sheet	Tel: +971 4 886 86 80 enquiry@rhira.com
Emergency information	+971 4 886 86 80

2. Hazards identification

Classification of the substance or mixture (Directive 67/548/EEC or 1999/45/EC)	Highly flammable
Emergency overview	F; Xi; N Irritating to eye and skin. Moderate respiratory tract irritant. Harmful if swallowed.
Label elements (Directive 67/548/EEC or 1999/45/EC)	 F ; Highly flammable
Danger symbol and danger designation	 Xi ; Irritant
	 N ; Dangerous for the environment
Other hazards	None
Additional information	HMIS Rating: - Health – 2 - Flammability – 4 - Reactivity – 0

3. Composition / information on ingredients

Mixtures	
Hazardous components	
RUBBER	CAS-No.: 94261-45-3
RESIN	CAS-No.: 74321-12-2
CYCLOHEXANE	CAS-No.: 110-82-7
ACETONE	CAS-NO.: 67-69-1
OTHER SOLVENTS	CAS-No.: 265-191-7

MATERIAL SAFETY DATA SHEET FOR AEROFOAM® XLPE GLUE

4. First aid measures

After inhalation	If inhaled, immediately take the affected person to fresh air. Give sufficient oxygen. If not breathing, give artificial respiration. Get medical attention, if symptoms develop.
After skin contact	Rinse with running water and soap. Remove all contaminated clothing.
After eye contact	In case of contact with the eyes, rinse immediately with plenty of water, and seek immediate medical attention.
After ingestion	Do not induce vomiting, seek medical advice immediately.
Most important symptoms and effects, both acute and delayed	None
Indication of any immediate medical attention and special treatment needed	None

5. Fire fighting measures

Suitable extinguishing media	Use water spray, foam, dry chemical or carbon dioxide.
Auto ignition temperature	Not available
Flammable/Explosive limits-lower	Not available
Flammable/Explosives limits-upper	Not available
Special fire fighting procedure	Person exposed to combustion should wear self-contained breathing apparatus and full protective equipment.
Unusual fire or explosion hazards	Closed containers may explode when exposed to extreme heat. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along floor to an ignition source.
Hazards combustion products	Carbon dioxide. Carbon monoxide

6. Accidental release measures

Special protection	Exposure to the spilled material may irritate or be harmful. Follow personal protective equipment. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
Clean up	Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water systems. Shut off ignition sources, including electrical equipment and flames. Do not allow smoking in the area.

MATERIAL SAFETY DATA SHEET FOR AEROFOAM® XLPE GLUE

7. Handling and storage

Handling	Avoid contact with skin and eyes. Application, processing: provide good ventilation and extraction. Keep away from heat, sparks and flame. Wash thoroughly after handling. Keep the container closed. Do not cut or weld on or near this container.
Storage	Store in a cool, dry and ventilation location. Keep away from heat, sparks, flame and other source of ignition. Keep container closed.

8. Exposure controls / personal protection

Control parameters	
HEPTANE	Specification : ACGIH exposure limit Value: 50ppm TWA Specification : OSHA Value: 500 ppm TWA, 1800 mg/m3 TWA
OTHER SOLVENT	Specification: ACGIH exposure limit Value: 10 ppm TWA Specification: OSHA Value: 50 ppm TWA, 270 mg/m3 TWA

Personal Protective equipment

Gloves	Nitrile
Respiratory protection	Respiratory protection may be required to avoid over exposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. NIOSH approved air purifying respirator with organic vapour cartridge. Respirators should be selected by and used following requirement found in OSHA's respirator standard (29 CFR 1910.134).
Eye protection	
Skin protection	Wear safety glasses when handling this product. Avoid skin contact by wearing chemically resistant gloves. Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TVL is not invalidated.

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Ventilation	Use local exhaust ventilation or other engineering controls to minimize exposures.
Additional information about Engineering measures	None

9. Physical and chemical properties

Form	Liquid
Colour	Light brown
Odour	Solvent
Melting point/melting range	Not applicable
Boiling temperature/boiling range	Not applicable
Flash Point	Below 10° C
Ignition Temperature	Not applicable
pH	Not applicable
Odour Threshold	Not applicable
Specific Gravity	0.85 ± 0.05
Solid %	40 ± 3
VOC content % (VOC calculated according to 40 CFR, Subpart D (EPA method 24))	4.13 lb/gal (495 g/lit)

10. Stability and reactivity

Stability	Stable under normal conditions
Chemical Incompatibility	Strong oxidizing agents
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide chlorine containing gases

11. Toxicological information

Component	LD 50/LC 50
heptane	Oral LD 50, Rat = 28710 mg/kg Inhalation LC 50 Rat = 48000ppm
Other Components	Not applicable

12. Ecological information

Persistence and degradability	Physical-chemical removability.
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13. Disposal considerations

	Please note: as per local municipal law or any other concerned authority.
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14. Transport information	
UN number	1133
UN proper shipping name	IMO/IMDG-Code: ADHESIVES ICAO/IATA: ADHESIVES
Transport hazard class (es) IMDG-Code ICAO/IATA	Class : 3 Class : 3
Packing group	II
Environmental hazards	None
Special precautions for user	The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

15. other information	
Further information Relevant changes	02.2 GHS – precautionary statements. 03. Hazardous components. 08.1 control parameters
R-Phrases of components	11 Highly flammable 36 Irritating to eyes 36/37/38 Irritating to eyes, respiratory system and skin 36/38 Irritating to eyes and skin 38 Irritating to skin 50/53 very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R-Phrases of components	51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment 65 Harmful: may cause lung damage if swallowed 66 Repeated exposure may cause skin dryness or cracking
GHS Hazard statements of components	H225 Highly flammable liquid and vapour H290 May be corrosive to metals H304 May be fatal if swallowed and enters airways H314 Causes severe skin burns and eye damage H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H411 Toxic to aquatic life with long lasting effects

-The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

MSDS_Aerofoam XLPE Glue_18Apr23