

MATERIAL SAFETY DATA SHEET FOR AEROFOAM[®] NBR GLUE

1. Identification of the substance / preparation and of the company / undertaking	
Product name	Aerofoam NBR Glue
Use of the substance / preparation	Polychloroprene based contact adhesive For flexible elastomeric thermal insulation foams
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
Emergency information	+971 4 886 86 80

2. Hazards identification	
Potential health effects	Extremely flammable. Can cause eye irritation. Can cause skin irritation. Moderate respiratory tract irritant. Harmful if swallowed. Inhalation of vapors may cause loss of feeling and weakness in the hands and feet and loss of manual dexterity. Inhalation of high concentrations may result in central nervous system effects such as dizziness, weakness, fatigue, nausea, headache and lack of coordination.
Label elements (Directive 67/548/EEC or 1999/45/EC)	F ; Highly flammable Xi ; Irritant Dangerous for the environment
Other hazards	None

3. Composition / information on ingredients	
Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:	ETHYL ACETATE Formula: C₄H₈O₂ CAS- No.: 141-78-6 Weight Fraction : 20-25% Classification : F; R11 Xi; R 36 R67 R66 Classification CLP: Flam.Liq.2; H 225 , Eye Irrit. 2; H319 STOT SE 3; H336 ACETONE Formula: C₃H₆O CAS- No.: 67-64-1 Weight Fraction : 20-25% Classification : F; R11 Xi; R 36 R67 R66 Classification CLP: Flam.Liq.2; H 225 , Eye Irrit. 2; H319

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	STOT SE 3; H336 Toluene Formula: C₇-H₈ CAS-No.: 108-88-3 Weight Fraction : 30 - 40% Classification : F;R11 Xi; R 36 R67 R66 Classification CLP: Flam.Liq.2; H 225 Eye Irrit. 2; H319 STOT SE 3; H336 ZINC OXIDE EC-No.: 215-222-5 CAS-No.: 1314-13-2 Weight Fraction : <0.25% Classification : N; R 50/53 Classification CLP: Aquatic Acute 1; H400 Aquatic 1; H 410.
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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 foam, dry chemical or carbon dioxide , according to material involved in fire
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

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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 cause asphyxiation.
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	Ethyl acetate: TLV-TWA: 400 ppm - 1441,31 mg/m ³ Acetone: VLE 8h: 1210 mg/m ³ - 500 ppm TLV-TWA: 500 ppm, A4 - 1187,12 mg/m ³ , A4 TLV-STEL: 750 ppm, A4 - 1780,67 mg/m ³ , A4 Toluene TWA: 50 ppm (191 mg/m ³) ,STEL: 150 ppm (574 mg/m ³)
Personal Protective equipment Gloves Respiratory protection Eye protection Skin protection	Nitrile 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. 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.
Ventilation	Minimize exposures.

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Additional information about Engineering measures	None
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9. Physical and chemical properties	
Form	Liquid
Colour	Yellow color
Odour	Solvent
Melting point/melting range	Not applicable
Boiling temperature/boiling range	Not applicable
Flash Point	Below 100°C
Ignition Temperature	Not applicable
pH	Not applicable
Odour Threshold	Not applicable
Specific Gravity	0.84±0.10
Solid content	24% + 2
Other Information	None

10. Stability and reactivity	
Stability	Stable under normal conditions
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	No dangerous decomposition products during appropriate storage and handling.

11. Toxicological information	
Component	
N-Hexane	LD 50 (RAT) ORAL:> 2000 mg/kg
Acetone	LD 50 (RABBIT) ORAL : 5300 mg/kg

12. Ecological information	
Persistence and degradability	Adopt sound working practices, so that the product is not released into the environment. List of substances dangerous for the environment and corresponding classification: 30% - 40% N Hexane N.67/548/EEC: 649-341-00-2 CAS: 92062-15-2 EINECS: 295-529-9 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

13. Disposal considerations	
	Please note: as per local municipal law or any other concerned authority.

14. Transport information	
UN number	1133
UN proper shipping name	IMO/IMDG-Code: ADHESIVES containing flammable liquid ICAO/IATA: ADHESIVES containing flammable liquid
Transport hazard class (es)	
IMDG-Code	Class : 3
ICAO/IATA	Class : 3
Packing group	II
Environmental hazards	None

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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.
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15. Regulatory information	
Safety, health and environmental regulations/legislation specific for the substance or mixture	Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/CE (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 2001/58/CE (Safety data sheets). Commission Directive 98/24/CE (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/CE (Occupational exposure limit values). Symbols: Xi Irritant F Highly flammable N Dangerous for the environment S16 Keep away from sources of ignition - No smoking. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33 Take precautionary measures against static discharges. S43 In case of fire, use foam, chemical powders or carbon dioxide. 'Never use water'. S56 Dispose of this material and its container to hazardous or special waste collection point. S57 Use appropriate container to avoid environmental contamination. S60 This material and its container must be disposed of as hazardous waste. S61 Avoid release to the environment. Refer to special instructions/Safety data sheets. S24 Avoid contact with skin. S37 Wear suitable gloves. Contents: Rosin: May produce an allergic reaction. Volatile CMR substances = 0.00 % Halogenated VOCs which are assigned the risk phrase R40 = 0.00 % Organic Carbon - C = 0.00 Where applicable, refer to the following regulatory provisions :
Chemical safety assessment	There are no data available on the product itself

16. other information	
Further information Relevant changes	02.2 GHS – precautionary statements. 03. Hazardous components. 08.1 control parameters

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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 51/53 Toxic to aquatic organisms, may cause longterm adverse effects in the aquatic environment 65 Harmful: may cause lung damage if swallowed 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

MSDS_Aerofoam NBR GLUE_18April23

-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.

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