



Safety Data Sheet Endurathane 3245-100R PU Foam Part B

Updated April 2021

1. Identification of the Material and Supplier

Product Name:	Endurathane 3245-100R PU Foam Part B
Product Code:	ENDURA3245-B
UN Number:	N/A
DG Class:	Not classed as a Dangerous Goods
Shipping Name:	N/A
Packaging Group:	N/A
Hazchem Code:	N/A
Uses:	Component B of a Polyurethane Foam System
Company:	H S Composites
Address:	63 Hunua Road, Papakura, Auckland 2110
Telephone:	+64 (09) 295 2200
Email:	sales@hscomposites.co.nz
Website:	www.hscomposites.co.nz

2. Hazard Identification

The manufacturer has stated that it is Not Classified as Non-Hazardous according to the criteria in the Hazardous Substances (Minimum Degree of Hazard) Regulations 2001.

HSNO Approval Number	HSR002670
Dangerous Goods Class	N/A

Hazardous Classifications: NIL

HEALTH HAZARDS:

H302	Harmful if Swallowed
H315	Causes Skin Irritation
H319	Causes eye irritation

ENVIRONMENT HAZARDS:

	No Data Available
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PRECAUTIONARY STATEMENTS: Preventions

P102	Keep out of reach of Children
P103	Read Label/SDS before use
P201	Obtain instructions before use
P202	Do not handle until all safety precautions have been read and understood
P233	Keep container tightly closed
P260	Do not breathe vapours
P261	Do not breath dust/fumes/gas/mist/vapours/spray
P264	Wash hands and exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only in well-ventilated areas
P273	Avoid release into the environment
P280	Wear protective clothing, gloves and eye protection
P281	Use personal protective equipment as required

RESPONSE:

P101	If medical advice is needed, have product container, SDS or label at hand
P301 + P312	If swallowed call POISON CENTRE or DOCTOR if you feel unwell
P330	Rinse out mouth, do not swallow
P302 + P352	If on skin, wash with plenty of soap and water
P362	Take off contaminated clothing and wash before reuse
P304 + P340	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing
P305 + P351	If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, continue to rinse
P337 + P313	If eye irritation persists seek medical advice
P308 + P313	If exposed or concerned seek medical advice
P314	Get medical advice if you feel unwell
P391	Collect any spillage

STORAGE:

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P235	Keep cool.
P405	Store in a locked area

DISPOSAL:

P501	Dispose of product and packaging in accordance with local and Governmental regulations or through an approved waste disposal plant.
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Dangerous Goods Classification

Nil

Packing Group Nil

Hazchem Code Nil

3. Composition / Information on Ingredients

Component	Cas No	Proportion
Hydroxyl Terminated Poly (Oxyalkylene) Polyether	-	60-90%
Tertiary Amine bearing Compounds	-	<5%
1,1-Dichloro-1-fluoroethane	1717-00-6	20-40%

4. First Aid

For advice, contact the National Poisons Centre (Phone New Zealand: 0800 764 766) or a doctor, show Doctor in attendance a copy of this SDS.

Inhalation: Move the person to fresh air immediately. Keep warm and at rest until recovered. Get medical advice if person feels unwell or is concerned.

Swallowed: If swallowed, induce vomiting. Rinse mouth. Do not induce vomiting if person is unconscious.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin with soap and water. Launder contaminated clothing before re-use.

Eye Contact: Flush with clean luke warm water for 15 minutes. Remove contact lenses after 5 minutes if present, and easy to do. Continue flushing.

First Aid facilities: Provide eye baths and safety showers close to areas where splashing may occur.

Note to Doctor/Physician: Treat symptomatically. Show Dr this notice.

5. Fire Fighting Measures

Flammable liquids and vapours: This product is Non-Flammable. Shut off other products that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable extinguishing media: Water Fog/Spray, Carbon dioxide (CO₂), foam or dry chemical for surrounding fire.

Hazards from combustion products: Smoke, fume, carbon dioxide and carbon monoxide and incomplete combustion products.

Precautions for fire fighters and special protective equipment: Self-contained breathing apparatus as well as normal protective clothing.

Hazchem Code: **NIL**

SPECIAL FIREFIGHTING PROCEDURES.

Wear protective clothing and self-contained breathing apparatus in positive pressure mode, in case of surrounding may be violently or explosively reactive. Use water spray to disperse the vapours. Prevent product and vapours from entering drains/sewers/water courses.

6. Accidental Release Measures

Steps to be taken if the material is released or spilled.

Evacuate personnel to a safe area. Use Protective equipment as required. Ensure adequate ventilation in area. Make sure there is no risk to self or personnel.

Contain spilled material and then cover with loose absorbent material such as sand, sawdust, vermiculite or Fullers Earth.

Wash thoroughly contaminated areas down with hot soapy water, then ventilated to remove vapours.

Prevent contamination of storm-water drains and waterways.

Correctly label all material containers to be disposed of.

7. Storage and Handling

Use Personal Protection. Avoid inhalation of vapour and contact with skin, eyes and clothing. Launder contaminated clothing before re-use, wash skin with soapy water. Wash hands thoroughly before eating.

Store in a locked and bunded area, store away from direct heat (ideally between 18 - 30°C to prevent spoilage). Keep containers tightly closed when not in use as product is hygroscopic and will be contaminated by moisture. Open drums slowly in case of internal pressure.

Polymerisation will not occur.

Store separate from oxidising materials, peroxides and metal salts.

Do Not store product or waste material in polystyrene, polymethacrylate or ABS.

Average shelf life 6 months from manufacture.

8. Exposure Controls / Personal Protective Equipment

Workplace Exposure Limits: Worksafe November 2020

1,1-dichloro-1-floroethane (HCFC 141b) (Cas# 1717-00-6) is 50ppm TWA

General Use: This product is hazardous and should be used with a local exhaust ventilation to maintain vapour/dust concentration below WES level. If concentrations exceed exposure limit use organic vapour canister mask or approved air-line mask to maintain workshop limits.

Skin Protection: Wear overalls or other work clothing providing arm and leg cover. Use protective gloves (Latex or Nitrile). Use antistatic footwear.

Eye Protection: Safety goggles or splash mask.

Environmental Control: Prevent from entering into sewer, stormwater or waterways.



9. Physical / Chemical Properties

Physical Description & colour:	Clear liquid.
Odour:	Pungent aromatic odour.
Boiling Point:	32°C with evolution of HCFC then decomposes
Flammable Liquid Flash Point:	120°C
Flammable Limits:	Not Established
Relative Density:	1.13
Vapour Density/Pressure:	Not Established
Percent Volatiles:	15-25%
Water Solubility:	Slightly Soluble

10. Stability and Reactivity

Stability:	Stable under normal storage and handling conditions.
Conditions to avoid:	High temperatures in storage.
Materials to avoid:	Avoid contact with Isocyanates and other substances that will react with Hydroxyl groups.
Polymerisation:	Will not occur.
Hazardous Decomposition Products:	Aliphatic fragments, CO, NH ₃ , CO ₂

11. Toxicological Information

When used under properly controlled conditions, within workplace exposure limits and with adequate ventilation and protective equipment, no adverse health effects are to be expected.

According to the manufacturers SDS:

Acute effects of over exposure.

If Swallowed: Harmful by ingestion and may cause irritation to the mouth, throat, oesophagus with symptoms of nausea, vomiting and gastric disturbance.

Eye Contact: Moderate to serious irritation. Tearing, stinging, blurred vision and redness will occur if.

Skin Contact: This product contains amine catalyst and will cause irritation to the skin after prolonged contact. Some individuals may be more sensitive to exposure. This product contains Freon which can cause dermatitis.

Inhalation of Vapour: At room temperatures vapour inhalation is not considered hazardous. This product contains Freon, at elevated temperatures Freon gas may escape. Vapours may cause dizziness, tremors, cardiac arrhythmias and cardiac arrest.

Chronic effects of overexposure:

At room temperatures vapour inhalation is not considered hazardous. This product contains Freon, at elevated temperatures Freon gas may escape. Vapours may cause dizziness, tremors, cardiac arrhythmias and cardiac arrest.

12. Ecological Data

According to the manufacturers SDS no data is available.

13. Disposal Considerations

If container cannot be cleaned to ensure there are no residues, contact local authorities or waste management company to arrange disposal.

14. Transport Information

UN Number:	Not Applicable
Proper Shipping Name:	Not Applicable
Hazchem Code:	Not Applicable
Dangerous Goods Class:	Not Applicable
Packing Group:	Not Applicable

15. Regulatory Information

The manufacturer has stated that it is Not Classified as Non-Hazardous according to the criteria in the Hazardous Substances (Minimum Degree of Hazard) Regulations 2001.

SDS To be available within 10 minutes when required.

16. Other Information

This SDS contains only safety-related information. For other data see product information literature.

Group Standard	October 2020
LEL	Lower explosive limit
UEL	Upper explosive limit
TWA	Time weighted average over 8 hr working day
STEL	Short term expose limit
Cas #	Unique registered number for chemicals
ppm	parts per million
UN number	Individual number assigned to hazardous materials
EMS	Emergency response for shipping
ERG	Emergency code for first responders
Other References	Supplier SDS's

Review: March 2021

Reason: Update and pictograms

Disclaimer: The information given in this safety data sheet is given in good faith and is believed to be valid and accurate at the time of publication. However, no responsibility is accepted for accident or injury which may occur from omissions or from information contained in the data sheet.

HS Composites 03/21