

# Material Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Duro TPO</b> <b>(Including Duro TPO Sheet and Duro TPO FB (Fleece Black))</b>
---

Issue Date: 21/8/2008

Revision Date: 21/8/2008

DISTRIBUTED IN AUSTRALIA BY: <b>Durotech Industries</b> 14 Essex Street P.O. BOX 5092 Minto, NSW. 2566 ABN 33 738 594 170	<b>Telephone Number For Information: 61 2 9603 1177</b> <b>Fax Number: 61 2 9603 3796</b> <b>Emergency Telephone Number: 0423 591 926</b> <b>Email: <a href="mailto:sales@durotechindustries.com.au">sales@durotechindustries.com.au</a></b> <b>Web: <a href="http://www.durotechindustries.com.au">www.durotechindustries.com.au</a></b>
--	---

Not classified as Hazardous according to criteria of ASCC<sup>1</sup> and not Dangerous Goods according to the ADG<sup>2</sup> Code

<b>UN NO.....:</b>	None allocated	<b>D.G. Class.:</b>	None allocated	<b>Pack. Group...:</b>	None allocated
<b>HAZCHEM:</b>	None allocated	<b>SUB. RISK.:</b>	None allocated	<b>SUSDP.....:</b>	None allocated

**PROPER SHIPPING NAME:** None allocated

**PRODUCT USE:** Waterproofing membrane sheeting.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No	Weight %
Polyolefin based membrane sheeting	Not required	100

See Section 8, Exposure Controls / Personal Protection

## 3. HAZARDS IDENTIFICATION

None as supplied.

However, inhalation of fumes should be avoided if membrane is heated.

## 4. FIRST AID MEASURES

- Eyes:** If affected by fumes when heating, immediately flush with water for 15 minutes. Get medical attention if irritation persists.
- Skin:** Wash contaminated area with soapy warm water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
- Inhalation:** If overcome by fumes when heating. Remove to fresh air. Apply resuscitation if victim is not breathing. Give oxygen if breathing is difficult. Get medical attention if required.

**Ingestion:** Not expected to be a route of exposure.

---

## 5. FIRE FIGHTING MEASURES

---

Flash Point ..... Not specified  
 Auto-ignition Temperature ..... Not specified  
 Lower Explosive Limit ..... Not applicable  
 Upper Explosive Limit ..... Not applicable

### **Suitable Extinguishing Media:**

Use extinguishing agents suitable for the surrounding fire.

### **Protective Equipment for Fire Fighting:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Fire Fighting Procedures:**

Stay up-wind and fight fire from a safe distance. Prevent spillage from entering drains or watercourses.

### **Decomposition Products:**

Decomposes with fire to give off toxic and irritating fumes.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

Clean up and dispose of in accordance with federal, state and local laws.

---

## 7. HANDLING AND STORAGE

---

**Handling** – When heating membrane, use heat resistant gloves and avoid inhaling fumes.

**Laying** – Do not lay in closed or poorly ventilated environments. In the case of hot air laying set the electric dryer nozzle speed between 3 and 10 m/min. and the temperature to 300 to 350 °C (air temperature). Once the laid surface has been heated, compress with a roller. If during sheet soldering there is some leakage of the molten material, the operating temperature is too high. This may have an adverse effect on the material itself. If the site is not sufficiently ventilated, wear an air-purifying mask (to protect against organic vapours, dust and fumes).

**Storage** – Store rolls vertically, away from excessive heat.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### Exposure Limit Information

Component	NOHSC <sup>1</sup>			
	TWA		STEL	
	(ppm)	(mg/m <sup>3</sup> )	(ppm)	(mg/m <sup>3</sup> )
Polyolefin based membrane	a	-	a	-

a = not listed

TWA = Time Weighted Average

STEL= Short term Exposure Limit

<sup>1</sup> National Occupational Health and Safety Commission (Australia)

### Respiratory Protection

In case of vapours or fumes, a respiratory protection program meeting Australian and New Zealand Standards AS/NZS-1716 and AS/NZS -1715 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in "Exposure Limit Information"

### Eye Protection

Use safety goggles (Australian and New Zealand Standards AS/NZS-1337) or approved equivalent. Eye protection worn must be compatible with respiratory protection system employed.

**Hand Protection**

Heat resistant gloves and protective clothing as necessary to prevent skin contact if material is heated.

**Engineering Controls (Ventilation)**

In case of fumes when heated, use local exhaust ventilation sufficient to maintain exposure levels below exposure limit concentrations. Refer to Australian Standard AS-1668.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and colour .....	Flexible sheet
State .....	Solid
Odour Characteristic .....	Typical of plastic articles
pH .....	Not applicable
Viscosity .....	Not applicable
Specific Gravity (Water = 1) .....	0.9 – 1.2
Vapour Density (Air = 1) .....	Not applicable
Vapour Pressure .....	Not applicable
Melting Point .....	~100-120 °C
Boiling Point .....	Not applicable
Solubility in Water .....	Insoluble
Flash Point .....	Not specified

**10. STABILITY AND REACTIVITY**

Considered stable under normal conditions of use and handling.

**Hazardous decomposition products**

Oxides of carbon. Decomposition by heat may give off toxic and irritating fumes.

**11. TOXICOLOGICAL INFORMATION**

Not expected to be of concern as supplied.  
However, heating may give off harmful fumes.

**12. ECOLOGICAL INFORMATION**

Not expected to be of concern.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with federal, state and local laws.

**14. TRANSPORT INFORMATION**

Not classified as Dangerous Goods according to the Australian Code For The Transport Of Dangerous Goods By Road And Rail (Seventh Edition). See Section 1.

**15. REGULATORY INFORMATION****Workplace Labelling Requirements:**

According to Criteria of the Australian Safety and Compensation Council: Not required

---

## 16. OTHER INFORMATION

---

<sup>1</sup> Australian Safety and Compensation Council

<sup>2</sup> Australian Dangerous Goods Code – Seventh Edition

The advice and information contained herein is based on raw material supplier's information. Durotech Industries believe the information to be accurate and reliable as at the date supplied, but no representation, guarantee or warranty, expressed or implied, is made to the accuracy, reliability, or completeness of the advice and information. Durotech Industries urges persons receiving this advice and information to make their own determination as to the advice and information's suitability and completeness for their own particular situation.

T221203