

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Duroproof™ M17

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DISTRIBUTED IN AUSTRALIA BY:
Durotech Industries
 14 Essex Street
 P.O. BOX 5092
 Minto, NSW. 2566
 ABN 33 738 594 170

Telephone Number For Information: 61 2 9603 1177
 Fax Number: 61 2 9603 3796
 Emergency Telephone Number: 0423 591 926
 Email: sales@durotechindustries.com.au
 Web: www.durotechindustries.com.au

Classified as **Hazardous** according to criteria of ASCC¹ and Dangerous Goods according to the ADG² Code

UN NO.....:	1866	D.G. Class.:	3	Pack. Group...:	III
HAZCHEM:	3[Y]	SUB. RISK.:	None allocated	SUSDP.....:	5

PROPER SHIPPING NAME: Resin solution

PRODUCT USE: Surface coating.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No	Weight %
Polyester resin	Not known*	10-60
toluene	108-88-3	10-20
White spirts	64742-88-7	10-40
Driers-mixed metal soaps	Not known*	<10%

See Section 8, Exposure Controls / Personal Protection

3. HAZARDS IDENTIFICATION

Risk of serious eye damage.
 Irritating to skin.

4. FIRST AID MEASURES

Eyes: Immediately flush with water for 15 minutes. Get prompt medical attention
Skin: Take off all contaminated clothing. Wash contaminated area with soapy warm water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
Inhalation: Remove to fresh air. Apply resuscitation if victim is not breathing. Get medical attention.
Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and

give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

5. FIRE FIGHTING MEASURES

Flash Point -1 °C
 Auto-ignition Temperature No data
 Lower Explosive Limit Data not available
 Upper Explosive Limit Data not available

Suitable Extinguishing Media:

Carbon dioxide, dry chemical, foam, water fog.

Protective Equipment for Fire Fighting:

Wear self-contained breathing apparatus and protective clothing.

Fire Fighting Procedures:

Use water spray to cool exposed containers. Stay down-wind and fight fire from a safe distance. Prevent spillage from entering drains or watercourses.

Decomposition Products:

Decomposes with fire to give off carbon monoxide..

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Caution: Remove all possible sources of ignition in the surrounding area. Floor may be slippery. Wear suitable protective equipment and clothing to prevent eye and skin contact. Contain spill. Do not allow into drains or waterways. Take up with inert absorbent material (e.g. sand, dirt, or vermiculite). Fill into marked, sealable containers for disposal. Dispose of empty containers in accordance with federal, state and local laws.

Large Spills: Notify Emergency Services and advise nature of spill and material hazard. Vapour may form an explosive mixture with air. Isolate area. Remove all possible sources of ignition in the surrounding area.

7. HANDLING AND STORAGE

Handling – Open container cautiously as contents may be under pressure. Avoid inhaling vapour and/or mists. Avoid contact with the material. Do not smoke. Remove ignition sources. Avoid sparks. Use only in well ventilated areas. Do NOT store or use in confined spaces. Wear suitable protective equipment to prevent eye and skin contact. See Section 8. Wash hands after handling and prior to drinking, smoking or eating. Avoid static discharge when transferring the material by ensuring electrical conductivity (by bonding and grounding all equipment).

Storage –Store in accordance with Dangerous Goods requirements. Store in a cool, dry well ventilated area away from sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Information

Component	ASCC ¹			
	TWA		STEL	
	(ppm)	(mg/m ³)	(ppm)	(mg/m ³)
Mineral spirits	-	350	-	-
toluene	50	191	150	574
White spirit	-	790	-	-

TWA = Time Weighted Average

STEL= Short term Exposure Limit

¹ Australian Safety and Compensation Council

Respiratory Protection

In case of vapours or dust, a respiratory protection program meeting Australian and New Zealand Standards AS/NZS-1715 and AS/NZS -1716 requirements must be followed whenever workplace conditions warrant a respirator's use. Use a Class AUS 1 half face respirator with Type A organic vapour filter.

Eye Protection

Use solvent resistant eyewear (Australian and New Zealand Standards AS/NZS-1337) or approved equivalent.

Hand Protection

Chemical resistant gloves of neoprene or nitrile rubber and protective clothing as necessary to prevent skin contact.

Engineering Controls (Ventilation)

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	Amber, liquid
State	Liquid
Odour Characteristic	slight
pH	Not specified
Viscosity	Not specified
Specific Gravity (Water = 1)	0.8-0.9
Vapour Density (Air = 1)	No data
Vapour Pressure	0.8 kPa (white spirit)
Melting Point	~0°C water
Boiling Point	95-199 Centigrade
Solubility in Water	insoluble
Flash Point	-1 centigrade

10. STABILITY AND REACTIVITY

Considered stable under normal conditions of use and handling.

Conditions to Avoid:

Avoid conditions of heat, direct sunlight, open flames and other sources of ignition.

Hazardous decomposition products:

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

Materials to avoid:

Oxidising agents

11. TOXICOLOGICAL INFORMATION

No toxicity data available for product.

Acute Toxicity

Inhalation: Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Vapours may cause drowsiness, dizziness and nausea.

Eyes: May cause eye irritation, tearing, stinging, blurred vision and redness.

Skin: Irritating to skin. May cause redness, itching and inflammation upon repeated or prolonged contact.

Ingestion: Can be harmful if swallowed. May cause lung damage if swallowed.

Chronic Effects: Frequent or prolonged contact with skin may cause dermatitis, Frequent or prolonged exposure may aggravate existing respiratory disorders and cause liver and kidney damage.

12. ECOLOGICAL INFORMATION

Harmful to aquatic organisms, May cause long-term adverse effects to the aquatic environment.
Keep out of waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Do not empty into drains or waterways.
Dispose of empty containers in accordance with federal, state and local laws.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods according to the Australian Code For The Transport Of Dangerous Goods By Road And Rail (Seventh Edition). See Section 1.

Class 3 –flammable liquid

UN Number: 1866

Proper Shipping Name: resin solution

DG Class: 3

Hazchem Code: 3[Y]

Packing Group III

IMDG: marine pollutant

15. REGULATORY INFORMATION

According to Criteria of the NOHSC.

Classified as hazardous

Poison Schedule: 5

Workplace Labelling Requirements:

Risk Phrases

R11	Highly flammable
R37	Irritating to respiratory system
R38	Irritating to skin.
R48/20	Harmful danger of serious health damage by prolonged exposure through inhalation.

Safety Phrases

S24/25	Avoid contact with skin and eyes.
S37/39	Wear suitable gloves and eye/face protection.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of soap and water.

16. OTHER INFORMATION

¹ Australian Safety and Compensation Council

² Australian Dangerous Goods Code – Seventh Edition

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