

SAFETY DATA SHEET

Di-Phase

1: Identification of the material and supplier

Names

Product Name: Di-Phase
 Other Name: Corrosive liquid, toxic, N.O.S.
 Supplier: Chemform Pty Ltd (ABN: 50 008 905 119)
 7 Kirke Street, Balcatta, WA 6021
 Phone (08) 9344 2455 Fax: (08) 9344 4360 Email: admin@chemform.com.au
 Emergency Telephone: Poisons Information Centre (Australia) 13 1126
 Recommended Use: Decarboniser, degreaser and paint stripper

2: Hazardous Identification

Statement of Hazardous/ Dangerous Nature: Classified as hazardous according to the criteria of NOHSC and classified as dangerous goods according to Australian Dangerous Goods Code

Risk Phrase: T – Toxic
 C - Corrosive
 R24/25 Toxic in contact with skin or if swallowed.
 R34 Causes burns
 R40 Limited evidence of a carcinogenic effect
 R41 Risk of serious eye damage
 R43 May cause sensitization by skin contact
 R46 May cause heritable genetic damage
 R49 May cause cancer by inhalation
 R50 Very toxic to aquatic organisms.
 R53 May cause long-term adverse effects in the aquatic environment.

Safety Phrases: S1/2 Keep locked up and out of reach of children.
 S23 Do not breath fumes, vapour or spray
 S24/25 Avoid contact with skin and eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37/39 Wear suitable protective clothing, gloves and eye and face protection.
 S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
 S60 This material and its container must be disposed of as hazardous waste.
 S61 Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

3: Composition/Information on Ingredients

INGREDIENT	CAS NUMBER	PROPORTION
Methylene Chloride	75-09-2	Greater than 60%
Cresylic Acid	1319-77-3	10-30%
Sodium Dichromate	10588-01-9	Less than 1%
Non Hazardous Ingredients		To 100%

4: First Aid Measures

Ingestion:	If swallowed, do NOT induce vomiting. Wash out mouth with water and give a glass of water to drink if person is conscious. Seek URGENT medical attention.
Eye:	If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek medical assistance urgently.
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Apply PEG/EtOH solution liberally to affected area. Leave for 15-30 seconds, then rinse with water. (PEG/EtOH solution consists of 2 parts polyethylene glycol 400 to 1 part ethanol. For external use only). Finish decontamination with washing using soap and water. Seek immediate medical advice.
Inhaled:	Remove victim from exposure – avoid becoming a casualty. Keep at rest and obtain urgent medical attention.
Advice to Doctor:	<p>Prolonged or repeated exposure through skin contact, inhalation or ingestion of this material can result in cumulative toxic effects including central nervous system effects. Systemic effects of high concentrations or chronic exposure can also include blood changes (haemoglobin) and damage to kidneys or liver. Prolonged or repeated skin contact may also result in skin irritation leading to dermatitis. This product contains methylene chloride which is classified as a category 3 carcinogen according to the National Occupational Health and Safety Commission (NOHSC). That is, a substance which has possible carcinogenic effects on humans but in respect of which the available information is not adequate for making a satisfactory assessment. There is some evidence from appropriate animal or epidemiological studies, but this insufficient to place the substance in category 2.</p> <p>Treat symptomatically as for exposure to chlorinated solvents. Do not administer catecholamines because of the cardiac effect caused by the principal ingredient methylene chloride. Contact Poisons Information Centre on 131 126.</p>
First Aid Facilities:	Eye wash station, fresh water, PEG/EtOH solution (consists of 2 parts polyethylene glycol 400 to 1 part ethanol).

5: Fire Fighting Measures

General Comment:	The product is non combustible.
Hazards from Combustion Products:	Under fire conditions this product emits toxic and corrosive products including hydrogen chloride gas, phosgene, carbon monoxide and carbon dioxide.
Extinguishing Media:	Dry chemical, carbon dioxide, foam and water spray.
Precautions for Fire Fighters:	Wear full protective clothing (PVC gloves, full length chemical resistant suit, chemical resistant safety boots and full face respirator with AX-P3 cartridge or self-contained breathing apparatus).
Hazchem Code:	2X

6: Accidental Release Measures

Spills and Disposal:	Clear/evacuate area of all unprotected personnel. Wear full protective clothing. Increase ventilation. Do not let product reach drains, sewers or waterways. Absorb onto inert material such as sand, earth, attapulgate (kitty litter). Do not use sawdust or cellulose. Shovel up and place in a clearly labelled, corrosion resistant drum and hold for safe disposal.
	If contamination of sewers or waterways occurs, advise local emergency services.

7: Handling and Storage

Handling:	Never use product in confined spaces. Minimise direct handling with product. No smoking near product as passage of vapour through lighted cigarette creates toxic hazard.
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Storage: Ensure containers are clearly labeled. Keep containers securely sealed and protected against physical damage. Store in well ventilated area. Do not store in pits or basements where vapour may concentrate. Store in a cool place out of direct sunlight and away from foodstuff.

Hygiene Measures: Always wash hands before eating, drinking smoking or using the toilet. Do not consume alcohol while using this product.

8: Exposure Controls – Personal Protection

National Exposure Standards: No data for the product.
For Methylene Chloride TWA of 174 mg/m³

Engineering Controls: Only use in a well ventilated area such as outside under a lean-to. Vapours are heavier than air, prevent concentration in pits and sumps. Do not enter confined spaces where vapour has collected.

Eyes: Full Face respirator with A-P3 cartridge.
Hands: PVC gloves with nitrile inner gloves.
Skin: Impervious apron or protective overalls buttoned at neck and wrist.
Inhalation: Full Face respirator with A-P3 cartridge

9: Physical and Chemical Properties

Appearance: Brown liquid with floating water seal
Odour: Strong, characteristic
pH (Undiluted): 2-3
Vapour Pressure: 465mm Mercury at 20°C
Vapour Density: 3.6 at 20°C (air =1)
Boiling Point: 40-160°C
Melting Point: Not available
Solubility: Not soluble in water
Specific Gravity: 1.2
Flash Point: Not combustible

10: Stability and Reactivity

Chemical Stability: The product is stable under normal conditions.
Conditions to Avoid: Heat, direct sunlight
Incompatible Materials: Amines, oxidising agents, acids, alkalis, metals and sources of ignition
Hazardous Reaction: May emit carbon monoxide, carbon dioxide and toxic fumes including those of hydrogen chloride and phosgene if involved in a fire.

11: Toxicological Information

Exposure Limits: Methylene Chloride has TWA 174 mg/m³. It is classified as a Category 3 according to NOHSC.
Information: Category 3 carcinogens are substances suspected of having carcinogenic potential on humans but the information is not adequate for a satisfactory assessment.
Ingestion (acute): Harmful and corrosive. Irritation and corrosion and damage to gastro intestinal system. May cause euphoria, sleepiness, dizziness unconsciousness and possibly death.
Eyes (chronic): May cause burns and permanent eye damage if first aid is not given immediately.
Skin (chronic): The product may produce toxic effects on contact with skin. It can be rapidly absorbed through the skin causing systemic toxic effects. The product causes burns which may be painless initially due to the local anaesthetizing effect.
Inhalation (chronic): May cause irritation to the mouth and throat. Vapours may produce headache, dizziness, fatigue, loss of co-ordination and possible death.

Chronic Effects: Prolonged and repeated exposure through skin contact, inhalation or ingestion can result in cumulative toxic effects including effects on the central nervous system, damage to kidneys and liver. Prolonged or repeated skin contact can result in skin irritation leading to dermatitis.

12: Ecological Information

Environmental Protection: This substance is hazardous to the environment.

13: Disposal Considerations

Disposal Methods: Disposal of this product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities.

14: Transport Information

UN Number: 2922
UN Proper Shipping Name: Corrosive liquid, toxic, N.O.S.
Class 8
Subsidiary Risk: 6.1
Packing Group: II
Special Precautions For users: Ensure containers are clearly labeled. Store in a cool place away from direct sunlight.
Hazchem Code: 2X
IERG Number: 37

15: Regulatory Information

Packaging & Labelling: This product contains a Scheduled Poison (S6) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16: Other Information

Prepared By: Jason Domenech
Date of Previous Issue: February 2007
Change Made: Removed phenol and conducted full review against regulatory requirements.
References: Australian Dangerous Goods Code
List of Designated Hazardous Substances
National Code of Practice for the Preparation of Material Safety Data Sheets
Standard for the Union Scheduling of Drugs and Poisons
Contact Person/Point: Australia:
24 HOUR EMERGENCY CONTACT
Poisons Information Centre (Australia) 13 1126

LEGAL DISCLAIMER:

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

END OF SAFETY DATA SHEET