



## SAFETY DATA SHEET

## DURAGAL

## 1 SUBSTANCE IDENTIFICATION AND COMPANY

PRODUCT NAME:	GALMET DURAGAL	
PRODUCT NO.	GGDS1L, GGDS4L, GGDS20L	
USE:	Silver coloured anti-corrosive surface coating.	
SUPPLIER	ITW POLYMERS & FLUIDS	ITW POLYMERS & FLUIDS (NZ)
	100 HASSALL ST	UNIT 2 / 38 TRUEGOOD DRIVE
	WETHERILL PARK 2164	EAST TAMAKI, 2013
	NEW SOUTH WALES	AUCKLAND
	<b>AUSTRALIA</b>	<b>NEW ZEALAND</b>
	T: 02 9757 8800	T: 09 272 1945
	F: 02 9757 3855	F: 09 273 6489
EMERGENCY CONTACT:	T: 02 9757 8800	T: 09 272 1945

## 2 HAZARDS IDENTIFICATION

**HAZARDOUS SUBSTANCE. DANGEROUS GOODS**

(According to the criteria of the NOHSC and the ADG-6 code)

CLASSIFICATION	Xn; Harmful	
RISK PHRASES	R10	Flammable.
	R20/21	Harmful by inhalation and in contact with skin.
	R38	Irritating to skin.
	R65	Harmful; May cause lung damage if swallowed.
SAFETY PHRASES	S2	Keep out of reach of children.
	S16	Keep away from sources of ignition – No Smoking.
	S23	Do not breathe vapour/spray.
	S24/25	Avoid contact with skin & eyes.
	S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS-No.	Content	Classification
XYLENE	1330-20-7	30 - < 60 %	Xn; R20/21, R38
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC Contains less than 0.1 % w/w benzene	64742-95-6	10 - < 30 %	F; R10. Xn; R20, R65.
SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC	64742-88-7	10 - < 30 %	Xn; R65

## 4 FIRST AID MEASURES

## GENERAL INFORMATION

Avoid contact with skin and eyes. Do not breathe vapour/spray. Show this safety data sheet to doctor in attendance.

## INHALATION

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Contact physician if discomfort continues.

## INGESTION

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit does not enter the lungs. Get medical attention immediately!

**SKIN CONTACT**

Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Contact physician if irritation persists.

**EYE CONTACT**

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Contact physician if irritation persists.

**5 FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA**

Fire can be extinguished using: Alcohol resistant foam. Carbon Dioxide (CO2). Dry Chemicals.

**SPECIFIC HAZARDS**

Flammable. Avoid breathing fire vapours. Vapour may travel considerable distance to source of ignition and flash back.

**PROTECTIVE EQUIPMENT FOR FIREFIGHTERS**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**SPECIAL FIRE FIGHTING PROCEDURES**

Keep upwind to avoid fumes. Avoid water in straight hose stream; will scatter and spread fire. Cool containers exposed to flames with water until fire is out. Keep run-off water out of sewers and watercourses. Dike for water control.

**6 ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Warn everybody of potential hazards and evacuate if necessary. Remove sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS**

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

**SPILL CLEAN UP METHODS**

Absorb with sand or other inert absorbent. Transfer to a container for disposal. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

**7 HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Take precautionary measures against static discharges. Storage tanks and other containers must be grounded. Do not smoke, use naked flames or other sources of ignition. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a cool, dry well-ventilated place. Keep away from heat, sparks and open flame.

**8 EXPOSURE CONTROL / PERSONAL PROTECTION**

**EXPOSURE STANDARDS**

No exposure standards available for product. Exposure standards for ingredients:

Name	TWA (LT) mg/m3	TWA (LT) ppm	STEL (ST) mg/m3	STEL (ST) ppm	Source
PETROLEUM DISTILLATES, N.O.S. (PETROLEUM NAPHTHA)	100				Shell (2007)
XYLENE	350	80	655	150	NOHSC

**PROTECTIVE EQUIPMENT**



## DURAGAL SDS

### PROCESS CONDITIONS

Provide eyewash, quick drench.

### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### RESPIRATORY EQUIPMENT

Select and use respirators in accordance with AS/NZS 1715/1716.

In poorly ventilated areas use Type A organic vapour/gas filter with half face piece.

When sanding/grinding cured product the use of a P1 dust mask (disposable) or with replaceable filters is recommended.

Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

### HAND PROTECTION

Use protective gloves made of: Chemical resistant gloves: e.g. Nitrile.

### EYE PROTECTION

Wear safety glasses or approved chemical safety goggles where eye exposure is reasonably probable.

### SKIN PROTECTION

Barrier cream, Protection suit or overalls should be worn.

### HYGIENE MEASURES

Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving work place.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Silver - Grey		
ODOUR	Solvent.		
SOLUBILITY	Not soluble in water		
BOILING POINT (°C)	138 - 143°C	RELATIVE DENSITY	0.98 @ 20° C
VAPOUR DENSITY (air=1)	>1	VAPOUR PRESSURE	0.5 kPa @ 15°C
EVAPORATION RATE (butyl acetate =1)	< 1	VOLATILE BY VOL. (%)	> 60 %
pH-VALUE, CONC. SOLUTION	n/a	FLASH POINT (°C)	27°C
FLAMMABILITY LIMIT - LOWER(%)	1.1 %	AUTOIGNITION TEMP. (°C)	495°C
FLAMMABILITY LIMIT - UPPER(%)	7.7 %		

## 10 STABILITY & REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### MATERIALS TO AVOID

Strong oxidising agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Nitrous gases (NOx). Oxides of: Carbon monoxide (CO). Carbon dioxide (CO2).

## 11 TOXICOLOGICAL INFORMATION

### ACUTE HEALTH EFFECTS

Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Vapours may cause headache, fatigue, dizziness and nausea.

May cause lung damage if swallowed.

May cause irritation to eyes.

**CHRONIC HEALTH EFFECTS**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

High concentration of vapour may cause CNS depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

**INGREDIENT DATA:**

TOXICITY		IRRITATION
Oral (human) LDLo:	50 mg/kg	Skin (rabbit):500 mg/24h Moderate
Oral (rat) LD50:	4300 mg/kg	Eye (human): 200 ppm Irritant
Inhalation (human) TCLo:	200 ppm	Eye (rabbit): 87 mg Mild
Inhalation (man) LCLo:	10000 ppm/6h	Eye (rabbit): 5 mg/24h SEVERE
Inhalation (rat) LC50:	5000 ppm/4h	
Oral (Human) LD:	50 mg/kg	
Inhalation (Human) TCLo:	200 ppm/4h	
Intraperitoneal (Rat) LD50:	2459 mg/kg	
Subcutaneous (Rat) LD50:	1700 mg/kg	
Oral (Mouse) LD50:	2119 mg/kg	
Intraperitoneal (Mouse) LD50:	1548 mg/kg	
Intravenous (Rabbit) LD:	129 mg/kg	
Inhalation (Guinea pig) LC:	450 ppm/4h	

The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic).

This form of dermatitis is often characterised by skin redness (erythema) and swelling the epidermis.

The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans.

Evidence of carcinogenicity may be inadequate or limited in animal testing.

Reproductive effector in rats

**SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC****TOXICITY**

Oral (rat) LD50: >2000 mg/kg (Shell)

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

No data available, however expected to be harmful to the aquatic environment

**MOBILITY**

Do not discharge into drains, water courses or onto the ground.

**DEGRADABILITY**

No data available.

**13 DISPOSAL INFORMATION****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

Apply left over paint onto newspaper, allow to dry, dispose newspaper in general waste. Empty steel can is recyclable. Check with your local council to see if they participate in a steel can recycling program.

**14 TRANSPORT INFORMATION**

ADG ROAD CLASS:	3		
PROPER SHIPPING NAME:	PAINT		
UN NO. ROAD	1263		
ROAD PACK GR.	III		
HAZCHEM CODE	3YE	IERG (HB76: 2004)	Guide 14

IMDG CLASS	3	UN NO. SEA	1263
IMDG PACK GR.	III	EMS	F-E, S-E
MARINE POLLUTANT	No.		
UN NO. AIR	1263	ICAO CLASS	3

### 15 REGULATORY INFORMATION

SUSDP S5

RISK PHRASES IN FULL:

R10	Flammable
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.
R65	May cause lung damage if swallowed.

### 16 OTHER INFORMATION

The solvent in this product contains less than 0.1 % benzene, classification and labelling as a carcinogen is not required.

REVISION DATE: 4 May 2007

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.