SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Product Name	**Tergo 2-005**	**Contact Details:**	
Synonyms	Oil Spill dispersant Type III	**Supplier**	Tergo Industries Ltd
		Address	664 Rosebank Rd, Avondale Auckland
Recommended Use	Dispersant for emergency response to oil spill		New Zealand
Date of Preparation	21 April 2009	**Telephone No.**	+64 9 820-3888
		Emergency No.	NZ 0800 POISON (0800 764 766) AUS 131126

Section 2: Hazard Identification

Hazard Classification 3.1D, 6.4A

Hazards Statements
Warning:
Combustible Liquid
Causes eye irritation.

Precautionary Statements
Keep away from heat/sparks/open flame.
Wear eye/face protection
Store in well ventilated place
If in eyes rinse cautiously with water for several minutes. Remove contact lense if present and easy to do so. Continue rinsing.
Wash hands after handling.

Section 3: Composition/Information On Ingredients

Chemical	C.A.S No.	Proportion (low<10%<medium<60%<high)
Condensation products of natural fats/oils and sugars		High
Hydrotreated light distillate (CAS No. 64742-47-8)	64742-47-8	Medium

Section 4: First Aid Measures

Symptom Of Exposure	**Ingestion**	Mild discomfort may occur
	Eyes	Mild irritation
	Skin	Possible slight irritation on prolonged contact. Drying of skin
	Inhalation	High concentrations may cause irritation to eyes and throat.
Workplace Facilities		Provide safety goggles
Treatment	**Ingestion**	Do not induce vomiting. Rinse mouth with water. Obtain medical attention.
	Eyes	If in eyes rinse cautiously with water for several minutes.

		Remove contact lense if present and easy to do so. Continue rinsing.
	Skin	Remove contaminated clothing. Flush affected area with running water Launder contaminated clothing before re-use.
	Inhalation	Remove to fresh air.
Notes For Medical Personnel		Treat symptomatically. If aspirated into the lungs during ingestion, or from vomiting, chemical pneumonitis or pulmonary oedema may occur.

Section 5: Fire Fighting Measures

Hazards	Flammable after moderate preheating and therefore will support combustion under extreme conditions of a fire.
Extinguishing Media	Foam, dry chemical powder, Carbon dioxide, water spray or fog (large fires only)
Protective Gear	Fire fighters must use recommended protective equipment and self-contained breathing apparatus. Hazchem Code 3[Y]

Section 6: Accidental Release Measures

Small Spills	Shut off ignition sources. Absorb spill with inert material and place in container for removal by approved waste management facility.
Large Spills	Remove all ignition sources. Wear protective gloves and safety glasses. Increase ventilation. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for removal by approved waste management facility.

Section 7: Handling and Storage

Handling		Use good occupational work practice. Wear recommended Personal Protective Equipment (PPE) and observe precautions in section two of this safety data sheet.
Storage	**Site**	Store away from heat and open flames. Store at ambient temperatures. Keep containers tightly closed and in a well ventilated place.
	Packaging	Where possible keep in manufacturer's original container. If container deteriorates or decanting to smaller quantities the new packaging should be sturdy polyethylene /polypropylene

Section 8: Exposure Controls/Personal Protection

Workplace Exposure Standards	No value assigned by NZ OSH but 2000 mg/m^3 TWA recommended based on generic equivalents
Engineering Controls	In general, dilution ventilation is a satisfactory health hazard control for this substance.
Personal Protective Equipment	No special equipment needed when handling small quantities. In an industrial environment with large quantities involved, safety glasses, PVC gloves and safety footwear are recommended.

Section 9: Physical and Chemical Properties

Appearance:	Clear to slightly hazy, amber liquid with characteristic hydrocarbon odour.
Boiling Point (°C):	296
Vapour Pressure (kPa @ 20°C)	<1
Per Cent Volatiles:	35
Specific Gravity @ 20°C:	0.950
Flash Point (°C):	87
Flammability Limits (%):	Lower = 0.6% Upper =4.9%
Auto ignition Temperature (°C)	>200
Water Solubility	Miscible

Plus other properties if applicable

Section 10: Stability and Reactivity

Stability	Considered stable under normal conditions
Conditions/Materials to Avoid	Sources of heat and ignition, open flames. Strong oxidizing substances.
Hazardous Decomposition Products	Thermal decomposition will produce Carbon Dioxide, and Monoxide and oxides of sulphur
Hazardous Polymerisation	Will not occur

Section 11: Toxicological Information

Minimal toxicity and irritation potential.
CAUTION: these values represent established data on individual components of the product and must be interpreted in conjunction with the proportion of that component in the product.

Component	% by wt	Value	End Point	Route	Species
Hydrotreated light distillate	10-60	15000mg/kg	LD_{50}	Oral	rat

Carcinogenicity OSHA: NO IARC: NO NTP: NO

Section 12: Ecological Information

Species	Exposure (hours)	End Point	Value
Rock oyster	48	EC_{50}	15
Tiger Prawn	96	EC_{50}	15
Mysid Shrimp	96	LC_{50}	>80
Sea Urchin	72	EC_{50}	15.96

Section 13: Disposal Consideration

Dispose in accordance with all applicable local regulations. Contact a licensed waste disposal facility to assure compliance

Section 14: Transport Information

Land (NZS 5433 and ADG)	**Proper Shipping Name**	Nil
	Class	Nil
	UN No.	Nil
	Packing Group	n/a
	Hazchem Code	n/a
Sea (IMDG/IMO)	**Proper Shipping Name**	Nil
	Class	Nil
	UN No.	Nil
	Packing Group	n/a
	Hazchem Code	n/a
Air (IATA)	**Proper Shipping Name**	Nil
	Class	Nil
	UN No.	Nil
	Packing Group	n/a
	Hazchem Code	n/a

Section 15: Regulatory Information

HSNO Approval HSR002490

Code	
HSNO Classifications	3.1D,6.4A

HSNO Controls	**Trigger Quantity**
Approved Handler	Not required
Site location Certification	Not Required
Hazardous Atmosphere Zone	Not required
Signage Required	10,000L
Emergency Plan & Secondary Containment	10,000L
Fire Extinguishers	500L

Section 16: Other Information