

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : OceanMaster Co-Polymer Pro Antifouling

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME : Oceanic Link Pte Ltd
ADDRESS : 196 Pandan Loop, Pantech Business Hub
#01-17 Singapore 639027
CONTACT NO. : 68622383
DATE PREPARED : 2 August 2012
REVISION : 00

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<u>Hazardous components</u>	<u>CAS Number</u>	<u>Concentration Range %</u>
1,2,4-trimethyl benzene	000095-63-6	10 – 25
Amorphous, fumed silica	112945-52-5	<1
Cumene	000098-82-8	1 – 2.5
Cuprous thiocyanate	001111-67-7	10 – 25
Rosin	008050-09-7	10 – 25
Solvent naphtha (petroleum), light aromatic	064742-95-6	10 – 25
Titanium dioxide	013463-67-7	2.5 – 10
Zinc oxide	001314-13-2	10 – 25
Zinc pyridinethione	013463-41-7	2.5 – 10

Non hazardous ingredients to a total of 100%

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	White
Flash Point (C)	26
no data	450
Specific Gravity	1.37677
Solvent Weight %	32.73
Vapour Density	Heavier than air.
Lower Explosive Limit %	.8
Solubility in Water	Immiscible
R.A.Q. to ventilate to 10% of the LEL (M3/I)	100.4
Odour	Smell of Solvent

FIRE & EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

CO2, foam, dry powder; in cases of larger fires, water spray should be used.

FIRE AND EXPLOSION HAZARDS:

Flashback along vapour trail may occur. This material may be ignited by heat, sparks, flame or static electricity. Close containers may explode when exposed to extreme heat.

FIRE FIGHTING PROCEDURES:

The use of a self contained breathing apparatus is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

REACTIVITY DATA

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

Hazardous reactions: Exothermic reaction with amines and alcohols; reacts slowly with water forming CO₂, in closed containers risk of bursting owing to increase of pressure.

HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Inhalation of excessive concentrations of vapors or mists may cause headache, dizziness and drowsiness.

FIRST AID: Remove to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

May cause irritation. Prolonged or repeated contact may cause sensitization.

FIRST AID: Remove contaminated clothing. Wash affected thoroughly with soap and water. Consult a physician if irritation persists.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

This product is a severe eye irritant. Direct contact with the liquid or exposure to its vapors or mists may cause burning, tearing, redness and swelling.

FIRST AID: Flush immediately with large amounts of water for at least 15 minutes. Take to physician for medical treatment.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

May cause nausea, headaches and dizziness. May cause droplets to enter the lung with the risk of getting pneumonia.

FIRST AID: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

SPILL OR LEAK PROCEDURES

IN CASE OF SPILL OR LEAK:

Remove all sources of ignition (flames, hot surfaces and electrical static, or frictional sparks). Avoid breathing vapours, ventilate area. Remove with inert absorbent and non-sparking tools.

DISPOSAL METHOD:

Empty containers may be disposed of after neutralizing any product remaining on the walls of the container With a mixture of isopropanol, ammonia and water. Afterwards, remove warning labels.

SAFE HANDLING AND USE INFORMATION

Wear suitable protective clothing, protective gloves (made of PVC or rubber) and protective goggles/mask. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

In case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with the product.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work. Keep working clothes separate. Take off immediately all contaminated clothing.

SPECIAL PRECAUTIONS

HANDLING AND STORAGE

Keep container dry and tightly closed in a cool and well ventilated place. Avoid exposure to temperature above 50°C. Ensure adequate ventilation or exhaust ventilation in the working area. Exhaust ventilation necessary if product is sprayed.

Avoid contact with skin and eyes.

Provide adequate ventilation and if necessary, air extraction in working areas. Explosion protection required.

TRANSPORT INFORMATION

Transport only in accordance with the following regulations:

Road and Rail Transport: 1263, Paint, 3, III, 3[Y]

IMDG Reference:	Class/Div.	3	Subsidiary Class
	Proper Shipping Name	Paint	
	UN No.	1263	MFAG
	no data	F-E,S-E	
	Packaging Group	III	
	Marine pollutant	Yes	
ICAO/IATA	Shipping Name	Paint	
	Class	3	
	UN No.	1263	
	Packaging Group	III	

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.