

# MATERIAL SAFETY DATA SHEET

**Company Name:**

**Address:**

**Tel: / Fax:**

**EMERGENCY TEL NO:**

**EMERGENCY CONTACT PERSON:**

SECTION 1 – PREPARATION OF M.S.D.S		
PREPARED BY:	PHONE NUMBER	DATE

SECTION 2 – PRODUCT INFORMATION	
PRODUCT NAME	
SYNONYMS	
PRODUCT TYPE	
PRODUCT USE	

SECTION 3 – HAZARDOUS INGREDIENTS				
INGREDIENT	%	CAS NO.	EXPOSURE LIMITS	LD <sub>50</sub> /LC <sub>50</sub> (SPECIES & ROUTE)

SECTION 4 – PHYSICAL DATA			
PHYSICAL STATE	<input type="checkbox"/> GAS <input type="checkbox"/> LIQUID <input type="checkbox"/> SOLID	ODOR & APPEARANCE	ODOR THRESHOLD (ppm)
VOLATILE (VOL.)	VAPOR PRESSURE (mmHg)	VAPOR DENSITY (AIR=1)	EVAPORATION RATE (°C)
BOILING POINT (°C)	FREEZING POINT (°C)	SPEC. GRAVITY (WATER = 1)	DENSITY (g/ml)
SOLUBILITY (IN WATER)		COEF. OF WATER/OIL DIST.	pH

SECTION 5 – FIRE & EXPLOSION HAZARD			
FLAMMABILITY	<input type="checkbox"/> YES <input type="checkbox"/> NO	CONDITIONS OF FLAMMABILITY	
FLASHPOINT (°C): METHOD:		FLAMMABLE LIMITS (% VOLUME) LOWER:                  UPPER:	AUTO-IGNITION TEMP. (°C)
SENSITIVITY TO MECHANIC IMPACT		SENSITIVITY TO STATIC DISCHARGE	
HAZARDOUS PRODUCTS	COMBUSTION		
MEANS OF EXTINCTION			
SPEC. FIRE FIGHTING PROCEDURES			

SECTION 6 – RISKS & SAFETY INFO. FOR SHIPPING		
PROPER SHIPPING NAME:	PRIMARY RISK:	SUBSIDIARY RISKS:
	MARKING/LABELLING OF PACKAGING:	MARKING/PLACARDING OF TRANSPORT UNIT:
IMDG CLASS:		
UN NUMBER:		
UN PACKAGINGS:	COMPATIBILITY GROUP/CLASSIFICATION CODE	STOWAGE TYPE/CATEGORY
PACKING GROUP <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III	SEGREGATION GROUP:	VENTILATION <input type="checkbox"/> YES <input type="checkbox"/> NO

SECTION 7 – REACTIVITY DATA	
CHEMICAL STABILITY	<input type="checkbox"/> YES <input type="checkbox"/> NO
CONDITIONS TO AVOID:	
INCOMPATIBILITY (SUBSTANCES TO AVOID)	
CONDITIONS OF REACTIVITY	
HAZARDOUS DECOMPOSITION PRODUCTS	

SECTION 8 – TOXICOLOGICAL PROPERTIES					
THRESHOLD LIMIT VALUE			LC <sub>50</sub> /LD <sub>50</sub> (estimated)		
ROUTE OF ENTRY: <input type="checkbox"/> SKIN CONTACT <input type="checkbox"/> SKIN ABS. <input type="checkbox"/> EYES <input type="checkbox"/> INGESTION <input type="checkbox"/> INHALATION					
EFFECTS OF ACUTE EXPOSURE:					
IRRITANCY		SENSITIZATION		SYNERGISTIC MATERIALS	
<input type="checkbox"/> CARCINOGENICITY		<input type="checkbox"/> REPRODUCTIVE EFFECTS		<input type="checkbox"/> TERATOGENICITY <input type="checkbox"/> MUTAGENICITY	

SECTION 9 – FIRST AID MEASURES	
SKIN	
EYES	
INHALATION	
INGESTION	

SECTION 10 – PREVENTIVE MEASURES		
PERSONAL PROTECTIVE EQUIPMENT	EYES:	
	GLOVES:	
	CLOTHING:	
	RESPIRATORY:	
ENGINEERING CONTROLS (VENTILATION, ETC)		
LEAKS AND SPILLS PROCEDURES		
WASTE DISPOSAL		
HANDLING PROCEDURES		
STORAGE REQUIREMENTS		

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