



#### **4 FIRST AID MEASURES**

GENERAL ADVICE :  
REMOVE CONTAMINATED CLOTHING:

INHALATION : MOVE TO FRESH AIR.

SKIN CONTACT : WASH WITH WATER AND SOAP AS A PRECAUTION. IF SKIN IRRITATION PERSISTS , CALL PHYSICIAN.

EYE CONTACT : RINSE WITH PLENTY OF WATER. IF EYE IRRITATION PERSISTS , CONSULT A SPECIALIST.

INGESTION : IMMEDIATELY RINSE MOUTH AND THEN DRINK PLENTY OF WATER , DO NOT INDUCE VOMITING , SEEK MEDICAL ATTENTION. NEVER INDUCE VOMITING OR GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS.

#### **5 FIRE- FIGHTINGFIRST MEASURES**

FLASH POINT: 90 °C  
LOWER EXPLOSION LIMIT : NOT APPLICABLE  
UPPER EXPLOSION LIMIT : NOT APPLICABLE  
FLAMMABILITY : DOES NOT IGNITE  
SELF IGNITION TEMPERATURE : NOT SELF IGNITING

METHOD USED: n/a

SUITABLE EXTINGUISHING MEDIA:  
WATER SPRAY , DRY POWDER , FOAM ,CARBON DIOXIDE

HAZARDS DURING FIRE FIGHTING : NO PARTICULAR HAZARDS KNOWN.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTING :  
FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE SUIT.

SPECIAL FIREFIGHTING PROCEDURES:  
USE RESPIRATOR WHEN FIRE IS IN AN ENCLOSED AREA

FURTHER INFORMATION :  
DISPOSE OF FIRE DEBRIS AND CONTAMINATED EXTINGUISHING WATER IN ACCORDANCE WITH OFFICIAL REGULATIONS.PRODUCT ITSELF IS NON COMBUSTIBLE , FIRE EXTINGUISHING METHOD OF SURROUNDING AREAS MUST BE CONSIDERED.

#### **6 ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS :  
USE PERSONAL PROTECTIVE CLOTHING . AVOID CONTACT WITH SKIN AND EYES.

ENVIRONMENTAL PRECAUTIONS  
DO NOT RELEASE UNTREATED INTO NATURAL WATERS.  
METHODS FOR CLEANING  
DO NOT RELEASE UNTREATED INTO NATURAL WATERS  
METHODS FOR CLEANING UP :

CONTAIN SPILLS IMMEDIATELY WITH INERT MATERIAL (E.G., SAND, EARTH. DISPOSE OF ABSORBED MATERIAL IN ACCORDANCE WITH REGULATIONS.  
FOR LARGE AMOUNTS : PUMP OFF PRODUCT.

FURTHER INFORMATION :  
HIGH RISK OF SLIPPING DUE TO LEAKAGE / SPILLAGE OF PRODUCT.

## **7 HANDLING AND STORAGE**

### HANDLING:

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.KEEP CONTAINER TIGHTLY CLOSED.DO NOT BREATHE VAPORS, MIST OR GAS.

FURTHER INFORMATION ON STORAGE CONDITIONS. KEEP FROM FREEZING -PRODUCT STABILITY MAY BE AFFECTED. STIR WELL BEFORE USE.

STORAGE :STORAGE TEMP 1- 49 °C (34-120 °F)

## **8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

PERSONAL PROTECTIVE EQUIPMENT :

### RESPIRATORY PROTECTION :

WEAR A NIOSH-CERTIFIED (OR EQUIVALENT) ORGANIC VAPOUR / PARTICULATE RESPIRATOR AS NEEDED.

### HAND PROTECTION :

CHEMICAL RESISTANT PROTECTIVE GLOVES.

### EYE PROTECTION:

TIGHTLY FITTING SAFETY GOGGLES (CHEMICAL GOGGLES).WEAR FACE SHIELD IF SPLASHING HAZARD EXISTS.

### PROTECTIVE MEASURES:

FACILITIES STORING OR UTILIZING THIS MATERIAL SHIOULD BE EQUIPPED WITH AN EYE WASH FACILITY.

## **9 PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING RANGE: 159 °C  
VAPOR DENSITY: NA

SPECIFIC GRAVITY (H2O=1): 1.01

EVAPORATION RATE: NA

COATING V.O.C. : 18 GRAMS / LTR

SOLUBILITY IN WATER: NA

APPEARANCE AND ODOR: COLORED LIQUID

FREEZING POINT: 0 DEGREE CELSIUS

pH: 8.5

COEFFICIENT OF WATER/OIL DIST: NA

ODOR THRESHOLD: NA

## **10 STABILITY AND REACTIVITY**

HAZARDOUS REACTIONS : NONE KNOW.  
STABLE

MATERIALS TO AVOID : THERE ARE NO KNOWN MATERIALS WHICH ARE INCOMPATIBLE WITH THIS PRODUCT.

POLYMERIZATION : PRODUCT WILL NOT UNDERGO POLYMERIZATION.

## **11 TOXICOLOGICAL INFORMATION**

NO DATA ARE AVAILBLE FOR THIS MATERIAL. THE INFORMATION SHOWN IS BASED ON PROFILES OF COMPOSITIONALLY SIMILLAR MATERIALS.

### ACUTE TOXICITY

#### ORAL:

TYPE OF VALUE: LD50  
SPECIES : RAT  
VALUE: NA

### ACUTE TOXICITY

#### DERMAL:

TYPE OF VALUE: LD50  
SPECIES : RABBIT  
VALUE: NA

### IRRITATION / CORROSION

#### SKIN:

SPECIES: RABBIT  
RESULT:  
METHOD : OECD GUIDELINE: 404

#### EYE:

SPECIES: RABBIT  
RESULT:  
METHOD : OECD GUIDELINE: 405

## **12 ECOLOGICAL INFORMATION**

### FISH: ACUTE:

OECD GUIDELINE 203 STATIC  
BRACHYDANIO RERIO/LC50 (96H) : >100 MG/L

### AQUATIC INVERTEBRATES:

#### ACUTE:

OECD GUIDELINE 202 PART 1 STATIC  
DAPHNIA MAGNA/EC50 (48H) : >100 MG/L

### AQUATIC PLANTS:

TOXICITY TO AQUATIC PLANTS  
OECD GUIDELINE 201 GREEN ALGAE/EC50 (72H) :>100 MG/L  
NOMINAL CONCENTRATION.

### MICROORGANISMS:

#### TOXICITY TO MICROORGANISMS:

DIN EN ISO 8192-OECD 209-88/302/EEC.P.C ACTIVATED SLUDGE, DOMESTIC /EC20 (0.5H) :  
>100 MG/L

THE INHIBITION OF THE DEGRADATION ACTIVITY OF ACTIVATED SLUDGE IS NOT ANTICIPATED WHEN INTRODUCED TO BIOLOGICAL TREATMENT PLANTS IN APPROPRIATE LOW CONCENTRATIONS.

DEGRADABILITY / PERSISTENCE

BIOLOGICAL / ABILOGICAL DEGRADATION

TEST METHOD: OECD 302B:ISO 9888 :88/302/EEC,PART C

METHOD OF ANALYSIS : DOC REDUCTION

DEGREE OF ELIMINATION :>70 %

EVALUATION: EASILY ELIMINATED FROM WATER.

THE PRODUCT CAN BE VIRTUALLY ELIMINATED FROM WATER BY ABIOTIC PROCESSES E.G ADSORPTION ONTO ACTIVATED SLUDGE.

BIOCCUMULATION:

BASED ON ITS STRUCTURAL PROPERTIES, THE POLYMER IS NOT BIOLOGICALLY AVAILABLE ACCUMULATION IN ORGANISMS IS NOT TO BE EXPECTED.

OTHER ADVERSE EFFECTS :

DO NOT RELEASE UNTREATED INTO NATURAL WATERS. AT THE PRESENT STATE OF KNOWLEDGE NO NEGATIVE ECOLOGICAL EFFECTS ARE EXPECTED. ECOLOGICAL DATA ARE DETERMINED BY ANALOGY.

## **13 DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL OF SUBSTANCE :

INCINERATE OR DISPOSE OF IN A LICENSED FACILITY. DO NOT DISCHARGE INTO DRAINS / SURFACE WATER / GROUND WATER.

CONTAINER DISPOSAL :

DISPOSE OF IN A LICENSED FACILITY. RECOMMEND CRUSHING , PUNCTURING OR OTHER MEANS TO MEANS TO PREVENT UNAUTHORIZED USE OF USED CONTAINERS.

## **14 TRANSPORT INFORMATION**

LAND TRASPORT

TDG : NOT CLASSIFIED AS A DANGEROUS GOOD UNDER TRANSPORT REGULATIONS.

SEA TRANSPORT

IMDG : NOT CLASSIFIED AS A DANGEROUS GOOD UNDER TRANSPORT REGULATIONS.

AIR TRANSPORT :

IATA / ICAO : NOT CLASSIFIED AS A DANGEROUS GOOD UNDER TRANSPORT REGULATIONS.

## **15 REGULATORY INFORMATION**

FEDERAL REGULATIONS:

REGISTRATION STATUS:  
CHEMICAL DSL, CA RELEASED / LISTED

NOT WHMIS CONTROLLED:

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

CANADA, ENVIRONMENTAL PROTECTION ACT (DSL) ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE INVENTORY LISTING REQUIREMENTS OF THE NEW SUBSTANCES NOTIFICATION REGULATIONS.

US TOXIC SUBSTANCES CONTROL ACT (TSCA) ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE INVENTORY LISTING REQUIREMENTS OF THE U.S.TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

## **16 DISCLAIMER**

THE INFORMATION AND DATA CONTAINED HEREIN IS BELIEVED TO BE ACCURATE AT THE TIME OF PREPARATION AND HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE GENERALLY RELIABLE. NO WARRANTY OR LIABILITY FOR THE ACCURACY IS MADE AND NO LIABILITY WILL BE ASSUMED FOR CLAIMS ARISING FROM ANY PARTY'S USE OF OR RELIANCE ON INFORMATION CONTAINED HEREIN.