
 CHEM-AQUA
 DIVISION OF NCH CANADA INC.
 253 ORENDA ROAD, BRAMPTON, ONTARIO L6T 1E6
 CHEMTREC 1-800-424-9300

Product: CLC-501

SECTION 01: MANUFACTURER INFORMATION

MANUFACTURER.....CHEM-AQUA
 DIVISION OF NCH CANADA INC.
 253 ORENDA ROAD,
 BRAMPTON, ONTARIO
 L6T 1E6
 CHEMTREC 1-800-424-9300

WHMIS CLASS.....D2b.
 NFPA - HEALTH RISK.....2 = MODERATE.
 NFPA - FLAMMABILITY.....1 = SLIGHT.
 NFPA - REACTIVITY.....0 = INSIGNIFICANT.
 MATERIAL CODE.....0807.
 MATERIAL USE.....CLOSED LOOP CORROSION INHIBITOR TREATMENT.
 PRECAUTIONS.....READ ENTIRE LABEL BEFORE USING
 PRODUCT.KEEP OUT OF REACH OF CHILDREN.

SECTION 02: HAZARDOUS INGREDIENTS

| % | CAS / TLV | LD/50, ROUTE, SPECIES | LC/50, ROUTE, SPECIES |
|---------------------------------------|-----------------|-----------------------|-----------------------|
| SODIUM TRIPOLYPHOSPHATE | | | |
| 1-5 | 7758-29-4 | ORL-RAT 3120 MG/KG | IHL-RAT >0.39MG/L/4H |
| | NOT ESTABLISHED | SKN-RBT >4640 MG/KG | |
| NONYLPHENOL POLYETHYLENE GLYCOL ETHER | | | |
| 1-5 | 127087-87-0 | ORL-RAT 1.3 G/KG | NOT AVAILABLE |
| | NOT ESTABLISHED | SKN-RBT 2 ML/KG/24HR | |
| SODIUM SILICATE | | | |
| 1-5 | 1344-09-8 | ORL RAT 1960 MG/KG | NOT AVAILABLE |
| | NOT ESTABLISHED | SKN RBT >4640MG/KG | |

SECTION 03: PHYSICAL DATA

PHYSICAL STATE.....LIQUID.
 COLOUR.....GREEN.
 CLARITY.....TRANSPARENT.
 ODOUR.....MILD.
 VAPOUR PRESSURE (mm Hg).....16.6.
 VAPOUR DENSITY (AIR=1).....0.6.
 EVAPORATION RATE.....0.5.
 BOILING POINT (deg C).....104.
 pH.....12.4.
 PERCENT VOLATILE BY VOLUME.....94.
 SPECIFIC GRAVITY.....1.04.
 SOLUBILITY IN WATER (% W/W).....COMPLETE.

SECTION 04: FIRE & EXPLOSION DATA

FLAMMABILITY.....NON COMBUSTIBLE.
 IF YES, UNDER WHICH.....
 CONDITIONS?
 EXTINGUISHING MEDIA.....FOAM, "ALCOHOL" FOAM, CO2, DRY CHEMICAL,
 WATER FOG.
 SPECIAL PROCEDURES.....FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED
 BREATHING APPARATUS AND FULL PROTECTIVE
 GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN
 BASED ON THE NATURE OF THE SURROUNDING
 FIRE. USE CARE AS SPILLS MAY BE
 SLIPPERY.USE WATER-SPRAY TO KEEP
 CONTAINERS COOL. USE CARE AS SPILLS MAY BE
 SLIPPERY.
 FLASH POINT (C).....GREATER THAN 93.
 FLASH POINT METHOD.....TAG CLOSED CUP (TCC).
 FLAMMABLE LIMITS.....HYDROGEN GAS.

LOWER FLAMMABLE LIMIT (% VOL).....4.
UPPER FLAMMABLE LIMIT (% VOL).....75.
UNUSUAL FIRE AND EXPLOSION.....THE USE OF WATER SPRAY (FOG) WHILE
HAZARDS EFFECTIVE, MAY CAUSE FROTHING AND FOAMING.
NEVER USE A WATER JET AS THIS WILL JUST
SPREAD THE FIRE.PROLONGED CONTACT WITH
REACTIVE METALS, SUCH AS ALUMINUM, BRASS,
BRONZE, CHROMIUM, MAGNESIUM, TIN, ZINC,
AND ALLOYS, CAN CAUSE THE FORMATION OF
FLAMMABLE HYDROGEN GAS.
HAZARDOUS COMBUSTION PRODUCTS.....AMMONIA. AMINES. HYDROGEN CHLORIDE GAS.
OXIDES OF CARBON (CO,CO2). OXIDES OF
PHOSPHOROUS. OXIDES OF SODIUM.

SECTION 05: REACTIVITY DATA

CHEMICAL STABILITY.....
YES.....STABLE, HAZARDOUS POLYMERIZATION WILL NOT
OCCUR. UNDER NORMAL CONDITIONS.
NO, WHICH CONDITIONS ?.....
COMPATIBILITY WITH OTHER.....
SUBSTANCES
YES.....
NO, WHICH ONES?.....STRONG OXIDIZING AGENTS SUCH AS CHLORINE
BLEACH AND CONCENTRATED HYDROGEN
PEROXIDE.STRONG ACIDS. STRONG BASES.
AMMONIUM SALTS. PROLONGED CONTACT WITH
REACTIVE METALS, SUCH AS ALUMINUM, BRASS,
BRONZE, CHROMIUM, MAGNESIUM, TIN, ZINC,
AND ALLOYS, CAN CAUSE THE FORMATION OF
FLAMMABLE HYDROGEN GAS WHICH CAN FORM AN
EXPLOSIVE MIXTURE WITH AIR.

SECTION 06: TOXICOLOGICAL PROPERTIES

ACUTE EFFECTS.....
SKIN ABSORPTION.....PRODUCT MAY BE ABSORBED THROUGH THE SKIN
IN HARMFUL AMOUNTS.
SKIN CONTACT.....CAUSES SEVERE IRRITATION SEEN AS ITCHING,
REDNESS, AND A BURNING SENSATION.
EYE CONTACT.....CAUSES SEVERE IRRITATION SEEN AS STINGING,
TEARING, REDNESS, AND A BURNING SENSATION.
INHALATION.....CAUSES RESPIRATORY IRRITATION SEEN AS
COUGHING AND SNEEZING.
INGESTION.....CAUSES IRRITATION WITH POSSIBLE NAUSEA,
VOMITING, AND DIARRHEA.
EFFECTS OF CHRONIC EXPOSURE.....NO HUMAN CHRONIC EFFECTS KNOWN. MEDICAL
CONDITIONS AGGRAVATED BY EXPOSURE ARE
PRE-EXISTING RESPIRATORY AND SKIN
CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND
DERMATITIS.
TARGET ORGANS.....NONE KNOWN.
CARCINOGENICITY OF MATERIAL.....NOT APPLICABLE.
PRIMARY ROUTE OF ENTRY.....ABSORPTION. THE PRIMARY ROUTES OF EXPOSURE
ARE SKIN AND EYE CONTACT.

SECTION 07: PREVENTIVE MEASURES

PROTECTIVE EQUIPMENT.....
GLOVES/ TYPE.....NEOPRENE OR NITRILE RUBBER GLOVES SHOULD
BE WORN.
RESPIRATORY/TYPE.....FOR CONCENTRATIONS ABOVE THE TLV AND/OR
PEL BUT LESS THAN 10 TIMES THESE LIMITS, A
NIOSH APPROVED HALF-FACEPIECE RESPIRATOR
EQUIPPED WITH APPROPRIATE CHEMICAL
CARTRIDGES MAY BE USED. FOR CONCENTRATIONS
GREATER THAN 10 TIMES THE TLV AND/OR PEL,
CONSULT THE NIOSH RESPIRATOR DECISION
LOGIC FOUND IN PUBLICATION NO. 87-116 OR
ANSI Z88.2-1992.
EYE/TYPE.....GOGGLES.
OTHER/TYPE.....WEAR PROTECTIVE CLOTHING WHEN HANDLING.AN
EYEWASH STATION AND SAFETY SHOWER SHOULD
BE AVAILABLE.
VENTILATION REQUIREMENTS.....LOCAL EXHAUST AT POINTS OF EMISSION.
LEAK/SPILL.....WEAR APPROPRIATE PROTECTIVE CLOTHING.USE
CARE AS SPILLS MAY BE SLIPPERY.DIKE AND

CONTAIN SPILL.ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL.PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER.FLUSH AREA WITH WATER.

WASTE DISPOSAL.....DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, PROVINCIAL, AND LOCAL REGULATIONS.
PROCEDURES.....STORE BETWEEN 2 & 49 C (35 & 120 F).ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP FROM FREEZING.IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING. FOLLOW THE LABEL DIRECTIONS.KEEP OUT OF REACH OF CHILDREN.READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

SECTION 08: FIRST AID MEASURES

EYE CONTACT.....IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.
SKIN CONTACT.....IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND SHOES. FLUSH AFFECTED AREAS WITH LARGE AMOUNTS OF WATER FOR 20 TO 30 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. DISCARD CLOTHING AND SHOES.
EYE CONTACT.....IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.
INHALATION.....REMOVE FROM THE AREA TO FRESH AIR.SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.
INGESTION.....GIVE 3 TO 4 GLASSES OF WATER.DO NOT INDUCE VOMITING.IF VOMITING OCCURS, GIVE FLUIDS AGAIN.GET IMMEDIATE MEDICAL ATTENTION.
NOTES TO PHYSICIAN.....THERE IS NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY.

SECTION 09: PREPARATION INFORMATION

NOTICE.....THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.THE MANUFACTURER ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE CAUSED BY THE USE, STORAGE, OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON THE PRODUCT LABEL. USERS ASSUME ALL RISKS ASSOCIATED WITH SUCH UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.
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