9-111 CWT INHIBITOR

MSDS Number

CLCRH

National Stock Number

6850-01-287-1057

Product Name

9-111 CWT INHIBITOR

Manufacturer

NALFLEET LIMITED

Product Identification

Product ID:9-111 CWT INHIBITOR
MSDS Date:05/26/1999
FSC:6850
NIIN:01-287-1057
Status Code:A
MSDS Number: CLCRH

Responsible Party

NALFLEET LIMITED

WINNINGTON AVE

NORTHWICH, CHESHIRE, CW8 4DX

UK

Emergency Phone: INTL 44(0)1885 407333

Info Phone: 01606-74488/01144(0)1865407333

Cage: TO043

Contractor

NALFLEET LIMITED

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NORTHWICH, CHESHIRE, CW8 4DX, NJ 07081-1755

UK

01606-74488/01144(0)1865407333

Cage: TO043

Ingredients

SODIUM NITRITE

CAS: 7632-00-0

RTECS: RA1225000

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

SODIUM HYDROXIDE

CAS: 1310-73-2

RTECS: WB4900000

OSHA PEL2 MG/M3

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

SODIUM SILICATE

CAS: 1344-09-8

Hazards

LD50 LC50 Mixture:NO DATA FOR PRODUCT AS A WHOLE
Health Hazards Acute and Chronic:ACUTE:INHALTION: MAY CAUSE TIGHTNESS IN THE CHEST WITH SHORTNESS OF BREATH &/OR COUGHING & SORE THROAT. SKIN: IRRITATING TO SKIN. EYE: RISK OF SERIOUS DAMAGE TO EYES. CAN CAUSE SEVERE IRRITATION. ING ESTION: THERE MAY BE IRRITATION TO THE GASTROINTESTINAL TRACT WITH NAUSEA & VOMITING. TOXIC IF SWALLOWED. COMPONENTS OF THE PRODUCT CREATE FORMATION OF METHAEMOGLOBIN. PREGNANT WOMEN ARE SENSITIVE TO METHEMOGLOBINEMIA. CHRONIC: REPEATED INGESTION OF SMALL AMOUNTS OF SODIUM NITRITE CAUSES DROPS IN BLOOD PRESSURE, RAPID PULSE, HEADACHES & VISUAL DISTURBANCES. IT MAY REACT WITH ORGANIC AMINES IN THE BODY TO FORM CARCINOGENIC NITROSAMINES.
Explanation of Carcinogenicity:IT MAY REACT WITH ORGANIC AMINES IN THE BODY TO FORM CARCINOGENIC NITROSAMINES.
Effects of Overexposure:ACUTE:INHALTION: MAY CAUSE TIGHTNESS IN THE CHEST WITH SHORTNESS OF BREATH AND/OR COUGHING AND A SORE THROAT. SKIN: IRRITATING TO SKIN. EYE: RISK OF SERIOUS DAMAGE TO EYES. CAN CAUSE SEVERE IRRITATION . INGESTION: THERE MAY BE IRRITATION TO THE GASTR-0INTESTINAL TRACT WITH NAUSEA AND VOMITING. TOXIC IF SWALLOWED. COMPONENTS OF THE PRODUCT CREATE FORMATION OF METHAEMOGLOBI. PREGNANT WOMEN ARE PARTIC ULARLY SENSITIVE TO METHEMOGLOBINEMIA. CHRONIC: REPEATED INGESTION OF SMALL AMOUNTS OF SODIUM NITRITE CAUSES DROPS IN BLOOD PRESSURE, RAPID PULSE, HEADACHES AND VISUAL DISTURBANCES. IT MAY REACT WITH ORGANIC AMINES IN THE BODY (SEE SUPPL)

First Aid

First Aid:INHALTION: USUALLY NOT NECESSARY UNLESS AEROSOLS/MISTS ARE GENERATED. REMOVE TO FRESH AIR, REST, TREAT SYMPTOMATICALLY. OBTAIN MEDICAL ATTENTION IMMEDIATELY. SKIN: REMOVE CONTAMINATED CLOTHING. WASH O FF AFFECTED AREA IMMEDIATELY WITH PLENTY OF WATER. IF SKIN IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. EYE: SPEED IS ESSENTIAL. IMMEDIATELY GENTLY IRRIGATE WITH CLEAN WATER FOR AT LEAST 15 MINUTES . MOVE EYEBALL AND KEEP EYELIDS WIDE OPEN AND APART WHILST IRRIGATING. OBTAIN MEDICAL ATTENTION IMMEDIATELY. INGESTION: DO NOT INDUCE VOMITING WITHOUT MEDICAL ADVICE. IF CONSCIOUS WASHOUT MOUTH AND GI VE ONE PINT OF WATER TO DRINK.(SUPPL)

Fire Fighting

Extinguishing Media:NOT EXPECTED TO BURN. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:IN CASE OF FIRE, WEAR FULL FACE POSITIVE-PRESSURE SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE SUIT.
Unusual Fire/Explosion Hazard:MAY EVOLVE TOXIC GASES UNDER FIRE CONDITIONS. OXIDES OF NITROGEN. OXIDES OF CARBON. IF PRODUCT IS ALLOWED TO DRY, THE SODIUM NITRITE IS AN OXIDIZING AGENT AND CAN INITIATE THE COMBUSTION OF OTHER MATE RIALS.

Accidental Release

Spill Release Procedures:WEAR CHEMICAL RESISTANT APRON, CHEMICAL SPLASH GOGGLES, IMPERVIOUS GLOVES AND WELLINGTON BOOTS. CONTAIN AND ABSORB WITH SAND OR VERMICULITE AND MIX WELL. COLLECT UP AND REMOVE TO A SAFE PLACE UNTIL D ISOSAL. WASH SITE OF SPILLAGE THOROUGHLY WITH WATER. ASSISTANCE CAN BE OBTAINED FROM WASTE DISPOSAL COMPANIES. DO NOT USE COTTON WASTE, SAWDUST OR OTHER COMBUSTIBLE SUBSTANCES AS ABSORBENT MATERIALS

Handling

Handling and Storage Precautions:AVOID CONTACT WITH SKIN AND EYES. IF CLOTHING IS CONTAMINATED, REMOVE CLOTHING AND THOROUGHLY WASH THE AFFECTED AREA. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. AVOID GENERATING AEROSOLS AND MISTS. A VOID USE OF BRASS, ALUMINUM, ZINC AND THEIR ALLOYS AND GALVANISED METALS. GIVES OFF HYDROGEN
Other Precautions:STORAGE: KEEP CONTAINER TIGHTLY CLOSED. STORE SEPARATELY FROM ACIDS, ORGANIC MATERIALS AND REDUCING AGENTS. STORAGE FOR MORE THAN TWO YEARS IS NOT RECOMMENDED. EQUIPMENT FOR STORAGE AND APPLICATION SH OULD BE CONSTRUCTED OF STEEL, GLASS, POLYPROPYLENE, RUBBER OR POLYETHYLENE.

Exposure Controls

Respiratory Protection:FULL FACE POSITIVE-PRESSURE SELF CONTAINED BREATHING APPARATUS
Protective Gloves:IMPERVIOUS GLOVES
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:CHEMICAL RESISTANT APRON, WELLINGTON BOOTS, FULL SLICKER SUIT
Supplemental Safety and Health
HEALTH HAZARDS CONT: TO FORM CARCINOGENIC NITROSAMINES. FOR MORE COMPLETE INFORMATIONS ON INTERNATIONAL REGULATIONS CALL MANUFACTURER FOR COPY OF MSDS.

Chemical Properties

Boiling Pt:B.P. Text:N/E
Melt/Freeze Pt:M.P/F.P Text:N/E
Vapor Pres:SAME AS WATER
Vapor Density:1.360-1.37
pH:>12.2
Viscosity:N/E
Solubility in Water:COMPLETE
Appearance and Odor:DARK BLUE LIQUID; NO ODOUR

Stability

Stability Indicator/Materials to Avoid:YES
ACIDS, ORGANIC MATERIALS AND REDUCING AGENTS. CYANIDES AND AMMONIUM COMPOUNDS. GIVES OFF HYDROGEN BY REACTION WITH METALS.
Stability Condition to Avoid:FREEZING TEMPERATURES
Hazardous Decomposition Products:OXIDES OF NITROGEN, OXIDES OF CARBON.

Disposal

Waste Disposal Methods:VIA AUTHORIZED CONTRACTOR. IF THIS PRODUCT BECOMES A WASTE, THE FINAL USER MUST DEFINE AND ASSIGN THE APPROPRIATE EUROPEAN WASTE CATALOGUE CODE. IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION (DUTY O F CARE) REGULATIONS 1991. SPECIAL WASTE REGULATIONS 1996 APPLY.

Toxicology

Toxicological Information:ACUTE TOXICITY DATA: SODIUM NITRITE ORAL (RAT) LD50 = 85 MG/KG. PRIMARY (DRAIZE TEST) SKIN/EYE: NO DATA AVAILABLE. SENSITIZATION: NO DATA AVAILABLE. CHRONIC TOXICITY DATA: NO DATA AVAILABLE.

Other Information

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Ecology

Ecological:PERSISTENCY AND DEGRADATION: NO DATA AVAILABLE. MOBILITY AND BIOACCUMULATION POTENTIAL: NO DATA AVAILABLE. ECOTOXICOLOGICAL

EFFECTS: NO DATA AVAILABLE. ADDITIONAL ECOLOGICAL DATA: NO DATA AVAILABLE.

Transport

Transport Information:PROPER SHIPPING NAME: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE). CLASS: 8. PACKING GROUP: II. UN NO.: 3286. ADR/RID. HIN: 80. ADR/RID NO.: 47B. IMDG PAGE: 8147-1. EMS NR: 8-15. MFAG-NR: 760.

Regulatory

SARA Title III Information:NO DATA PROVIDED BY MANUFACTURER.
Federal Regulatory Information:NO DATA PROVIDED BY MANUFACTURER
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.