View NSN Online: https://aerobasegroup.jp/nsn/6810-01-456-4695

Product ID:24158, ULTRA LOW RANGE COD REAGENT 0-40PPM RANGE MSDS Date:02/08/1999 FSC:6810 NIIN:01-456-4695 Status Code:A MSDS Number: CLHTN === Responsible Party === Company Name: HACH CO. Address:5600 LINDBERGH PKY Box:608 City:LOVELAND State:CO ZIP:80538-8902 Country:US Info Phone N um:970-669-3050/800-227-4224 Emergency Phone Num:303-623-5716/515-232-2533 Resp. Party Other MSDS Num.: M00524 CAGE:91224 === Contractor Identification === Company Name: HACH CO Address:5600 LINDBERGH DR Box:389 City:LOVELAND State:CO ZIP:80539 Country:US Phone:970-669-3050/ 303-623-5716 CAGE:91224

Ingred Name:CHROMIC ACID CAS:13530-68-2 RTECS #:GB2650000 Minumum % Wt:.01 Maxumum % Wt:.1 Other REC Limits:NONE RECOMMENDED OSHA P EL:0.5 MG CR/M3 ACGIH TLV:0.05 MG CR/M3

Ingred Name:MERCURIC SULFATE (SARA 313) (CERCLA) CAS:7783-35-9 RTECS #:OX0500000 Minumum % Wt:.1 Maxumum % Wt:1. Other REC Limits:NONE RECOMMENDED OSHA PEL:0.1 MG (HG)/M3; Z-2 ACGIH TLV:S,0.025 MG(HG)/M3;96 EPA Rpt Qty:10 LBS DOT Rpt Qty:10 LBS

Ingred Name:SILVER SULFATE CAS:10294-26-5 Minumum % Wt:.1 Maxumum % Wt:1. Other REC Limits:10 MG/M3 AS MO OSHA PEL:0.01 MG AG/M3 ACGIH TLV:0.01 MG AG/M3

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA) CAS:7664-93-9 RTECS #:WS5600000 Minumum % Wt:75. Maxumum % Wt:85. Other REC Limits:NONE RECOMMENDED OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3/3 STEL; 9596 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:WATER CAS:7732-18-5 RTECS #:ZC0110000 Minumum % Wt:10. Maxumum % Wt:20. Other REC Limits:NONE RECOMMENDED OSHA PEL:NOT RELEVANT ACGIH TLV:NOT RELEVANT

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 2140MG/KG Routes of Entry: Inhalation:YES Sk

in:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:TARGET ORGANS: CENTRAL NERVOUS SYSTEM, LUNGS, TEETH AND KIDNEYS. CAUSES EYE AND SKIN BURNS. WILL BE ABSORBED THROUGH SKIN. EFFECTS SIMILAR TO THOSE OF INGESTION. INGESTION CAUSES SEVERE BURNS. MAY CAU SE ABDOMINAL PAIN, CIRCULATORY DISTURBANCES, DIARRHEA, LOOSENING OF THE TEETH, NAUSEA, VOMITING, RAPID PULSE AND RESPIRATION, TOXIC NEPHRITIS (INFLAMMATION OF KIDNEYS) , SHOCK, COLLAPSE, KIDNEY DAMAGE AND

DEATH. INHALATION CAUSES SEVERE BURNS. MAY CAUSE DIFFICULTY BREATHING, MOUTH SORENESS, TEETH EROSION. EFFECTS SIMILAR TO INGESTION. MAY CAUSE DESTRUCTION OF CONTACTED TISSUES, LUNGS, TEETH, ACCUMU LATION OF SILVER IN BODY TISSUE, CANCER

Explanation of Carcinogenicity: THIS PRODUCT DOES NOT CONTAIN ANY OSHA/NTP LISTED CARCINOGENS.

Effects of Overexposure:SEVERE BURNS, PAIN, DIARRHEA, EROSION OF TEETH, NAUSEA, VOMITING, RAPID PULSE AND R

ESPIRATION, INFLAMMATION OF

KIDNEYS, SHOCK, COLLAPSE, DEATH. MOUTH SORES, IRRITATION OF LUNGS, ACCUMULATION OF SILVER IN BODY TISSUES WHICH CAUSES A SLATE-GRAY TO BLUISH DISCOLORATION. CANCER. CHRONIC OVER EXPOSURE MAY CAUSE DESTRUCTION OF ANY TISSUE CONTACTED EROSION OF THE TEETH MOUTH SORENESS CHRONIC IRRITATION O R INFLAMMATION OF THE LUNGS Medical Cond Aggravated by Exposure:PRE-EXISTING EYE CONDITIONS. SKIN

CONDITIONS. RESPIRATORY CONDITIONS.

================

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN: WASH SKIN WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING. CALL PHYSICIAN IMMEDIATELY. INHALED: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. CALL PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN.

Flash Point:NONE
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:USE MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND. EVACUATE AREA AND FIGHT FIRE FROM SAFE DISTANCE.
Unusual Fire/Explosion Hazard:CONTACT WITH METALS GIVES OFF HYDROGEN GAS WHICH IS FLAMMABLE. MAY REACT VIOLENT

LY WITH STRONG BASES, WATER.
======================================
Spill Release Procedures:RELEASE OF THIS MATERIAL MAY CONTAMINATE THE ENVIRONMENT. ABSORB SPILLED LIQUID WITH NON-REACTIVE SORBENT MATERIAL. STOP SPILLED MATERIAL FROM BEING RELEASED TO THE ENVIRONMENT. DIKE THE SPILL TO CONT AIN MATERIAL FOR LATER DISPOSAL. DECONTAMINATE AREA WITH COMMERCIALLY AVAILABLE MERCURY ABSORBING COMPOUNDS. Neutralizing Agent:SODA ASH, SODIUM BICARB ONATE FOR ACID
======================================
Handling and Storage Precautions:PROTECT FROM LIGHT CONTAMINATION BY ORGANIC MATERIALS (WILL AFECT PRODUCT STABILITY) HEAT. STORE AT 10-30C.
Other Precautions:CORROSIVE AND TOXIC. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPORS/MIST. USE WITH ADEQUATE VENTILATION. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. EMPTY CONTAINERS RETAIN RESIDUE. KEEP OUT OF REACH OF CHILDREN. DO NOT INGEST.
======================================
Respiratory Protection: USE SELF CONTAINED BREATHING APPARATUS PRESSURE DEMAND. Ventilation: USE FUME HOOD TO AVOID EXPOSURE TO DUST, MIST, VAPOR. Protective Gloves: DISPOSABLE LATEX Eye Protection: CHEMICAL SPLASH GOGGLES Other Protective Equipment: EYEWASH AND SAFETY SHOWER SHOULD BE LOCATED NEARBY. LAB COAT, LABORATORY FUE HOOD. Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYG IENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING. Supplemental Safety and Health DO NOT CONTAMINATE ENVIRONMENT. PRECAUTIONARY MEASURES: AVOID CONTACT WITH: EYES SKIN CLOTHING DO NOT BREATH: MIST/VAPOR WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE VENTILATION. PROTECT FROM LIG HT ORGANIC MATERIALS HEAT KEEP AWAY FROM: ALKALIES METALS OTHER COMBUSTIBLE MATERIALS OXIDIZERS REDUCERS.
======================================

==

HCC:C1

NRC/State Lic Num:NOT RELEVANT Boiling Pt:=99.C, 210.2F Melt/Freeze Pt:=7.C, 44.6F Vapor Pres:N/D Vapor Density:N/D Spec Gravity:1.83 pH: