

POTASSIUM PERMANGANATE 0.2 NORMAL (N/5)

MSDS Number

BRLKX

National Stock Number

6810-00N039815

Product Name

POTASSIUM PERMANGANATE 0.2 NORMAL (N/5)

Manufacturer

RED BIRD SERVICE

Product Identification

Product ID: POTASSIUM PERMANGANATE 0.2 NORMAL (N/5)

MSDS Date: 05/11/1988

FSC: 6810

NIIN: 00N039815

MSDS Number: BRLKX

Responsible Party

RED BIRD SERVICE

OSGOOD, IN 47037

US

Emergency Phone: 812-689-4040; 800-428-3502

Info Phone: 812-689-4040; 800-428-3502

Preparer: GENE C. FEITH

Cage: 0H0Z7

Contractor

RED BIRD SERVICE

OSGOOD, IN 47037

US

812-689-4040; 800-428-3502

Cage: 0H0Z7

Ingredients

PERMANGANIC ACID, POTASSIUM SALT; (POTASSIUM PERMANGANATE)

CAS: 7722-64-7

RTECS: SD6475000

Fraction By Weight: 65%

OSHA PEL5 MG/M3, C (MN)

ACGIH TLV: 5 MG/M3 (MN)

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: BALANCE

OSHA PELN/K

ACGIH TLV: N/K

MIST OR VAPOR AT ITS SOURCE, PREVENTING DISPERSION OF

RTECS: 9999999ZZ

BE CONSIDERED TO PVNT SKIN CONT. MAIN

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:LD50 (ORAL,RAT): 1090 MG/KG.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PRLNGD SKIN CONT MAY CAUSE IRRIT, DEFAT,& DERM. CHRONIC MANGANESE POIS CAN RSLT FROM EXCESSIVE INHAL/EXPOS TO MANGANESE DUST/MIST & INVOLVES IMPAIRMENT OF CNS.EARLY SYMPS INCL SLUGGISHNESS, SLEEPINESS , & WEAK IN LEGS. ADVANCED CASES HAVE SHOWN SYMPS OF FIXED FACIAL EXPRESSION, EMOTIONAL DISTURB, SPASTIC GAIT,& FALLING.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:EYE: IRRIT, REDNESS & TEARING FROM CONT W/SOLN.

SKIN: MAY CAUSE IRRIT & REDNESS. EXTREME CONT CAN CAUSE MILD BURNS & PAIN. INHAL: MAY CAUSE IRRIT TO NASAL & RESP PASSAGES. INGEST: IRRIT TO GI SYS. NAU S, VOMIT & DIARR MAY RSLT. PRLNGD INGEST CAN LEAD TO SERIOUS CHRONIC EFTS. NOTE: OTHER SIGNS OF EXPOS CAN INCL (SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYE: WASH W/PLENTY OF WATER FOR AT LST 15 MINS, LIFTING UPPER & LOWER EYELIDS OCCAS.GET MED ATTN. SKIN:WASH THORO W/SOAP & WATER.REMOVE ANY CONTAMD CLTHG & LAUNDER BEFORE REUSE. INHAL:REMOVE TO FRESH AIR.GET MED ATTN FOR ANY BRTHG DFCLTY.INGEST: INDUCE VOMIT IMMED BY GIVING 2 GLASSES OF WATER/MILK IF AVAIL,& STICKING FINGER DOWN THROAT.CALL PHYS IMMED.NEVER GIVE ANYTHING BY MOUTH TO UNCON PERSON.

Fire Fighting

Flash Point:NON FLAMMABLE

Extinguishing Media:USE THAT WHICH IS APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

Accidental Release

Spill Release Procedures:SPINKLE WITH LITTLE FERROUS SULFATE, SODIUM SULFITE OR SODIUM THIOSULFATE, AND ACIDIFY, IF NECESSARY, TO PROMOTE REDUCTION REACTION. NEUTRALIZE SLURRY WITH SODA ASH. NEUTRALIZED MATERIAL MAY BE FLUSHE D TO DRAIN WITH AN EXCESS AMOUNT OF WATER.

Neutralizing Agent:SODA ASH.

Handling

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTAINERS.

STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF HEAT OR IGNITION. DO NOT STORE ON WOODEN FLOORS.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Exposure Controls

Respiratory Protection:IF TLV IS EXCEEDED, A NIOSH/MSHA APPROVED DUST/MIST RESPIRATOR MAY BE WORN UP TO TEN-TIMES TLV. CONSULT RESPIRATOR SUPPLIER FOR DETAILS.

Ventilation:SYS OF LOC EXHST IS RECOM TO KEEP EMPLOYEE EXPOS BELOW AIRBORNE EXPOS LIMITS.LOC EXHST VENT IS GEN PREF BECAUSE (SUPDAT)

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEM WORK GOG W/FULL LGTH FSHLD.

Other Protective Equipment:IF SOLN IS USED CONSTANTLY OR IN ANY QTY, IMPERVIOUS PROT CLTHG INCL RUBB BOOTS,GLOVES, APRONS/COVERALLS SHOULD (ING 4)

Work Hygienic Practices:LAUNDER ANY CONTAMINATED CLOTHING BEFORE REUSE. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS MATERIAL.

Supplemental Safety and Health

MATLS TO AVOID: CARBON, HYDRIDES, STRONG HYDROGEN PEROXIDE, FERROUS/MERCUROUS SALTS, HYPOPHOSPHITES, HYPOSULFITES, SULFITES, PEROXIDES, & OXALATES. HLTH HAZ: BROWN STAINS ON HANDS, FACE, MOUTH, TEETH & THROAT; BURNING IN MOUTH & EPIGASTRIUM, NAUS, ALBUMINURIA & GI EFTS. VENT: IT CAN CNTRL EMISSIONS OF DUST, (ING 3)

Chemical Properties

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:14

Vapor Density:0.7

Spec Gravity:1 (H*20=1)

Evaporation Rate & Reference:1 (WATER=1)

Solubility in Water:COMPLETE

Appearance and Odor:DEEP PURPLE LIQUID WITH NO ODOR.

Percent Volatiles by Volume:99

Stability

Stability Indicator/Materials to Avoid:YES

POWDERED METALS, ALCOHOL, ARSENITES, BROMIDES, IODIDES, PHOSPHOROUS, SULFURIC ACID,ORG CMPDS, SULFUR, ACTIVATED (SUPDAT)

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:POSSIBLE TOXIC AND/OR IRRITATING FUMES OF MANGANESE OR POTASSIUM AT HIGH TEMPERATURES.

Disposal

Waste Disposal Methods:FOLLOW ALL STATE, FEDERAL AND LOCAL REGULATIONS.

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