

SARGENT WELCH SCIENTIFIC CO.
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SKOKIE, IL 60077
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MATERIAL SAFETY DATA SHEET
PRODUCT NO. P5444, P5445, P5450
C14258-125GM, C14260-100GM, -500GM
9/06/88

SECTION I IDENTIFICATION

CHEMTREC 800-424-9300
24 HOUR EMERGENCY ASSISTANCE
DAY (312) 468-3700

PRODUCT POTASSIUM PERMANGANATE
TRADE/CHEMICAL SYNONYMS
FORMULA KMNO4
RTECS# SD6475000
C.A.S. # 7722-64-7

HEALTH 3
FLAMMABILITY 0
REACTIVITY 3
HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

SECTION II MIXTURE COMPONENTS

COMPONENT	CAS NUMBER	%	TLV
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NA=NOT APPLICABLE
NE=NONE ESTABLISHED

SECTION III PHYSICAL CHARACTERISTICS INFORMATION

MELTING POINT C 240C (DECOMPOSES) SPECIFIC GRAVITY(H2O=1) 2.7
BOILING POINT C NA
PERCENT VOLATILE BY VOLUME (%) NA
VAPOR PRESSURE MM HG/C NA
EVAPORATION RATE (=1) NA
VAPOR DENSITY (AIR=1) NA
SOLUBILITY IN WATER SOLUBLE
APPEARANCE AND ODOR DARK PURPLE CRYSTALS, NO ODOR.

SECTION IV FIRE/EXPLOSION HAZARD INFORMATION

FLASH POINT C NA (METHOD)
FLAMMABLE LIMITS IN AIR % BY VOLUME LOWER: UPPER:

FIRE EXTINGUISHER TYPE: WATER WHEN POSSIBLE.

FIRE FIGHTING PROCEDURES (CALL FIRE DEPT. IMMEDIATELY): FLOOD WITH WATER TO HELP PREVENT CHEMICAL REACTIONS. IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

FIRE/EXPLOSION HAZARDS: NOT COMBUSTIBLE, BUT IS A HAZARDOUS OXIDIZING MATERIAL IN CONTACT WITH EASILY OXIDIZABLE SUBSTANCES MAY CAUSE IGNITION, VIOLENT COMBUSTION OR EXPLOSION. INCREASES THE FLAMMABILITY OF COMBUSTIBLE MATERIALS.

NFPA HAZARD RATING 0
 1 0
 OXY

D.O.T. POTASSIUM PERMANGANATE, OXIDIZER, UN1490
D.O.T. REGULATIONS MAY CHANGE FROM TIME TO TIME. PLEASE CONSULT THE MOST RECENT D.O.T. REGULATIONS. ESSENTIALLY SIMILAR TO FORM USHA-174.

SECTION V HEALTH HAZARD INFORMATION

THRESHOLD LIMIT VALUE (TLV) 5 MG/M3 (AS MN) TWA

OVEREXPOSURE SYMPTOMS (WHEN IN DOUBT, CALL A PHYSICIAN OR LOCAL POISON CONTROL CENTER) ACUTE: SEVERE IRRITATION AND PAIN POSSIBLE TO SKIN, EYES, LUNGS, MUCOUS MEMBRANES AND GI TRACT. STAINS SKIN.
CHRONIC: DERMATITIS, SYSTEMIC METAL POISONING, MUSCLE DISORDERS.

EMERGENCY AND FIRST AID PROCEDURES: SKIN: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. THOROUGHLY CLEAN CLOTHING AND SHOES BEFORE REUSE. GET MEDICAL ATTENTION IMMEDIATELY. EYES: WASH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.
INGESTION: GIVE SEVERAL GLASSES OF WATER OR MILK TO DRINK. VOMITING MAY OCCUR SPONTANEOUSLY, BUT DO NOT INDUCE! NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY. GIVE CITRUS JUICES OR MILK TO HELP NEUTRALIZE.

SECTION VI REACTIVITY INFORMATION

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT

INCOMPATIBILITIES (MATERIALS TO AVOID): OXIDIZABLE MATERIALS, HYDROGEN PEROXIDE, MANY ACIDS, MANY METAL SALTS, POWDERED METALS, MANY HALOGEN COMPOUND S.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF MANGANESE AND POTASSIUM.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

SECTION VII SPILL CLEANUP/DISPOSAL INFORMATION

CLEANUP METHODS(S) CLEANUP/DISPOSAL METHODS ARE RECOMMENDATIONS ONLY. CHECK YOU LOCAL, STATE, FEDERAL REGULATIONS. AVOID CONTACT WITH OXIDIZABLE MATERIALS. REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA OF LEAK OR SPILL. CLEAN-UP PERSONNEL MAY REQUIRE PROTECTION FROM INHALATION OF DUST. SPILLS: CLEAN UP IN A MANNER THAT DOES NOT DISPERSE DUST INTO THE AIR.

DISPOSAL METHOD(S)

DISPOSAL: WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE DISPOSED IN A RCRA-APPROVED WASTE FACILITY. DO NOT FLUSH TO THE SEWER.

SECTION VIII PERSONAL PROTECTION RECOMMENDATIONS

RESPIRATORY PROTECTION (SPECIFY TYPE): DUST

VENTILATION LOCAL EXHAUST X
MECHANICAL (GENERAL) X

PROTECTIVE GLOVES: VINYL OR RUBBER EYE PROTECTION: GUGGLES
OTHER PROTECTIVE EQUIPMENT: LAB COAT

SECTION IX ADDITIONAL INFORMATION

STORE IN A COOL DRY LOCATION.

CONDITIONS AGGRAVATED /TARGET ORGANS: PERSONS WITH PREEXISTING SKIN, EYE, RESPIRATORY, OR NERVE DISORDERS MAY BE MORE SUSCEPTIBLE.

REV. NO. 3 DATE 9/06/88 APPROVED: K.KUCHEL SAFETY DIR. RMC
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