

SARGENT WELCH SCIENTIFIC CO.
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SKOKIE, IL 60077
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MATERIAL SAFETY DATA SHEET
PRODUCT NO. P4716, P4728
C17242-025GM, -100GM, -500GM, C4474R, C4477Q, R, T
9/06/88

SECTION I IDENTIFICATION

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

PRODUCT POTASSIUM IODIDE
TRADE/CHEMICAL SYNONYMS
FORMULA KI
RTECS# TT2975000
C.A.S. # 7681-11-0

HEALTH 1
FLAMMABILITY 0
REACTIVITY 0
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 723C SPECIFIC GRAVITY(H2O=1) 3.1
BOILING POINT C 1420C
PERCENT VOLATILE BY VOLUME (%) NA
VAPOR PRESSURE MM HG/C NA
EVAPORATION RATE (=1) NA
VAPOR DENSITY (AIR=1) NA
SOLUBILITY IN WATER EXTREMELY
APPEARANCE AND ODOR WHITE 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: USE ANY MEDIUM SUITABLE FOR EXTINGUISHING SUPPORTING FIRE.

FIRE FIGHTING PROCEDURES (CALL FIRE DEPT. IMMEDIATELY): 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 CONSIDERED TO BE A FIRE HAZARD. NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

D.O.T. NOT REGULATED

D.O.T. REGULATIONS MAY CHANGE FROM TIME TO TIME. PLEASE CONSULT THE MOST RECENT D.O.T. REGULATIONS. ESSENTIALLY SIMILAR TO FORM OSHA-174.

SECTION V HEALTH HAZARD INFORMATION

THRESHOLD LIMIT VALUE (TLV) NE

OVEREXPOSURE SYMPTOMS (WHEN IN DOUBT, CALL A PHYSICIAN OR LOCAL POISON CONTROL CENTER) ACUTE: IRRITATION TO SKIN, EYES, LUNGS, MUCOUS MEMBRANES AND GI TRACT. CHRONIC: "IODISM", HEADACHE, RUNNY NOSE, WEAKNESS.

EMERGENCY AND FIRST AID PROCEDURES: SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. GET MEDICAL ADVICE IF IRRITATION OCCURS. 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: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN IMMEDIATELY.

SECTION VI REACTIVITY INFORMATION

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBILITIES (MATERIALS TO AVOID): MIXED HALOGENS, DIAZONIUM SALTS, CALOMEL.

HAZARDOUS DECOMPOSITION PRODUCTS: IODINE AND IODINE FUMES.

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. 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 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: SAFETY GLASSES
OTHER PROTECTIVE EQUIPMENT: LAB COAT

SECTION IX ADDITIONAL INFORMATION

STORE IN A DRY LOCATION.

CONDITION AGGRAVATED/TARGET ORGANS: NONE KNOWN.

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