

WARD'S NATURAL SCIENCE -- 37W4621 POTASSIUM CHLORATE -- 6810-00-241-1150

===== Product Identification =====

Product ID:37W4621 POTASSIUM CHLORATE

MSDS Date:12/23/1994

FSC:6810

NIIN:00-241-1150

MSDS Number: BZJDT

=== Responsible Party ===

Company Name:WARD'S NATURAL SCIENCE

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Info Phone Num:716-359-2502

Emergency Phone Num:800-424-9300(CHEM  
TREC)

Preparer's Name:MICHAEL RASZEJA

CAGE:EO227

=== Contractor Identification ===

Company Name:WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Phone:716-359-2502

CAGE:EO227

Company Name:WARDS NATURAL SCIENCE ESTABLISHMENT INC

Address:5100 W HENRIETTA RD

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Phone:(716) 359-2502

CAGE:63759

===== Composition/Information on Ingredients =====

Ingred Name:POTASSIUM CHLORA

TE  
CAS:3811-04-9  
RTECS #:FO0350000  
Fraction by Wt: 99.7%  
Other REC Limits:NONE RECOMMENDED

=====  
===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL:REPEATED/PROL EXPO TO HIGH DUST  
CONCEN MAY RESULT IN METHERROGLOBIN FORMATION & RUPTURING OF RED  
BLOOD CELLS. SKIN/EYE CONTACT:PROL  
EXPO TO DUST MAY CAUSE IRRIT TO  
SKIN,MUC MEMBRANE,EYES.DIRECT CONTACT MAY CAUSE BURNING.INGEST:OF  
RELATIVELY LG QUANT MAY BE FATAL.CAUSES NAU,VOMIT,DIARR,ABD  
PAIN,CONFUSION,CONVUL.  
Effects of Overexposure:METHERROGLOBIN FORMATION & RUPTURING OF RED  
BLOOD CELLS. EYE/SKIN IRRIT,BURNING. MUCOUS MEMBRANE IRRIT. INGEST  
OF RELATIVELY LG QUANT MAY BE FATAL. CAUSES NAUSEA, VOMITING,  
DIARRHEA, ABDOMINAL PAIN, C ONFUSION, CONVULSIONS.  
Medical Cond Aggravated by Exposure:NONE SPEC  
IFIED BY MANUFACTURER.

=====  
===== First Aid Measures =====

First Aid:INGEST:IF CONSC GIVE 1 OR 2 GLASSES OF WATER TO DRINK.CALL  
PHYSICIAN IMMED.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.EYES:FLUSH  
THOROUGHLY W/WATER FOR @LEAST 15MINS,HOLDING EYELIDS OPEN.GET MED  
ATTN IMM ED.INHAL:REMOVE TO FRESH AIR.STOP BREATH GIVE ART  
RESP.BREATH DIFFICULT GIVE OXYGEN.GET IMMED MED ATTN.SKIN:FLUSH  
THOROUGHLY W/WATER,THEN WASH W/MILD SOAP/WATER.

=====  
===== Fire Fighting Measures =====

Flash Point:NON-FLAMMABLE  
Extinguishing Media:FLOOD W/WATER.  
Fire Fighting Procedures:IN FIRE CONDITIONS WEAR NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. DO  
NOT USE FIRE BLANKET OR SMOTHERING TYPE EXTINGUISHER.  
Unusual Fire/Explosion Hazard:DECOMPOSES @400C GIVE OFF OXY.POWERFUL  
OXIDIZING MATL.FORMS EXPLOI MIXTURES W/COMBUST,ORG/OTHER EASILY  
OXIDIZABLE MATLS.THESE MIXTURES EASILY IGN BY (S

UPPLEMEN)

===== Accidental Release Measures =====

Spill Release Procedures:FLUSH TO SEWER W/COPIOUS AMTS OF WATER. FLUSH SPILL AREA W/SSOAP/WATER. DO NOT USE WATER TO CLEAN SPILLS ON POROUS OR WOOD FLOORS, SURFACES WILL BECOME IMPREGNATED & EXTREMELY HAZARDOUS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL,DRY,PLACE AWAY FRM FLAMM

/COMBUST MATLS.CLOTH/CONTAMIN W/CHLORATE/ITS SOLN IS DANGEROUSLY FLAMM.DO NOT GET IN EYES/SKIN/CLOTH.

Other Precautions:READ LABEL ON CNTNR BEF USING.DO NOT WEAR CONTACT LENSES WHEN WORKING W/CHEMS.FOR LAB USE ONLY.NOT FOR DRUG,FOOD,HOUSEHOLD USE.KEEP OUT OF REACH OF CHILDREN.KEEP CNTNR TIGHTLY CLOSD WHEN NOT IN USE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE SHOULD BE NEEDED IN NORMAL LABORATORY HANDLING. IF DUSTY CONDIT

IONS PREVAIL WORK IN FUME HOOD OR WEAR A NIOSH-APPROVED RESPIRATOR OR DUST MASK.

Ventilation:LOCAL EXHAUST/MECHANICAL (GENERAL):RECOMMENDED.

Protective Gloves:RUBBER, VINYL, ETC GLOVES.

Eye Protection:CHEMICAL SAFETY GLASSES.

Other Protective Equipment:SMOCK, APRON, EYE WASH STATION, GOGGLES, VENTILATION HOOD, PROPER GLOVES, FIRE EXTINGUISHER.

Work Hygienic Practices:WASH THOROUGHLY AFT HNDLG.REMOVE CLOTH & KEEP WET UNTIL WASHED THOROUGHLY W/WATER.

Supplemental Safety and Health

FIRE  
/EXPLO:FRICITION/HEAT.CONTAINERS MAY RUPTURE WHEN INVOLVED IN FIRE.EXPLODES W/SULFURIC ACID.

===== Physical/Chemical Properties =====

HCC:D1

Boiling Pt:B.P. Text:DECOMP@400F

Melt/Freeze Pt:M.P/F.P Text:694F,368C

Decomp Temp:Decomp Text:400F,204C

Vapor Pres:NEGLIGIBLE

Vapor Density:4.24

Spec Gravity:2.337

Evaporation Rate & Reference:NON-VOLATILE.

Solubility in Water:6.8 G/100ML @20C

Appearance and Odor:COLORLESS, WHITE GRANULES OR POWDER, NO ODOR.

Percent Vol

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS.ANY OXIDIZABLE MATLS;ORG SUBSTANCES,FINELY DIVIDED METALS,SULFUR,PHOSPHOROUS & AMMONIA CMPDS,IODIDES,ETC.

Stability Condition to Avoid:IN FLAMES W/EXPLOSION IF SATURATED

W/ORGANIC SUBSTANCES;FULFUR,PHOSPHOROUS,SULFITE,HYPOPHOSPHITE.

Hazardous Decomposition Products:OXYGEN, CHLORINE, CHLORINE DIOXIDE.

===== Disposal Consider

ations =====

Waste Disposal Methods:DISCHARGE/TREAT/DISPO MAY BE SUBJ TO

FED/STATE/LOC LAWS.THESE DISPO GUIDELINES ARE INTENDED FOR DISPO OF CAT-SIZE QUANT ONLY.DISSOLVE IN WATER & FLUSH TO SEWER W/COPIOUS AMTS OF WATER.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this in

formation to be accurate and

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.