

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(CHEMT
REC)

Preparer's Name:MICHAEL RASZEJA

CAGE:EO227

=== Contractor Identification ===

Company Name:WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

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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 CHLORAT

E
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 SPECI
FIED 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.

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===== 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 (SU

PPLE MEN)

===== 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 CONDITI

ONS 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: FRICTION/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 Vola

tiles by Volume:NON-VL

===== 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 Considerations =====

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.

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