

SODIUM NITRATE 37-5630

MSDS Number

BXGCZ

National Stock Number

6810-00D003533

Product Name

SODIUM NITRATE 37-5630

Manufacturer

WARD'S NATURAL SCIENCE ESTABLISHMENT INC

Product Identification

Product ID:SODIUM NITRATE 37-5630

MSDS Date:08/04/1992

FSC:6810

NIIN:00D003533

MSDS Number: BXGCZ

Responsible Party

WARD'S NATURAL SCIENCE ESTABLISHMENT, INC.

ROCHESTER , NY 14692-9012

US

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Contractor

WARDS NATURAL SCIENCE ESTABLISHMENT INC

92912

ROCHESTER, NY 14692-9012

US

(716) 359-2502

Cage: 63759

Ingredients

SODIUM NITRATE

CAS: 7631-99-4

RTECS: WC5600000

Fraction By Weight: 100%

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:WARNING!STRONG OXIDIZER! INGEST:MAY BE HARMFUL. INHAL:PROLONGED DUST INHAL MAY CAUSE IRRIT.LOW HAZ FOR USUAL LAB HANDLING. EYE:NO SPECIFIC HAZ KNOWN.MAY CAUSE TRANSIENT IRRIT. SKIN:LOW HAZ FOR USUAL L AB HANLDING.

Effects of Overexposure:HARMFUL IF INGESTED. IRRIT FROM DUST INHAL. TRANSIENT EYE IRRIT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INGEST:IF CONSC GIVE 1 OR 2 GLASSES OF WATER.INDUCE VOMIT.CALL PHYSICIAN.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.SKIN:FLUSH W/WATER.EYES:FLUSH FREELY W/WATER.IF IRRIT DEVELOPS/PERSISTS GET MED ATTN.IN HAL:REMOVE TO FRESH AIR.IF SYMPTOMS OF ILLNESS DEVELOP GET MED ATTN.

Fire Fighting

Flash Point:EXPLODES @1000F
Extinguishing Media:FLOOD W/WATER.
Fire Fighting Procedures:USE FLOODING MATS OF WATER IN EARLY STAGES OF FIRE.WHEN LG QUANT INVOLVED IN FIRE NITRATE MAY FUSE/MELT IN WHICH CONDITONS APPLICATION OF WATER MAY RESULT (SUP)
Unusual Fire/Explosion Hazard:OXIDIZING MATL.IF IN CONTACT W/EASILY OXIDIZABLE SUBSTANCES VIOLENT COMBUST/EXPLO MAY RESULT UPON IGN FROM ANY SOURCE.INCRE FLAMM OF ANY COMBUST SUB.(SUPPLE)

Accidental Release

Spill Release Procedures:SWEEP UP & PLACE IN SUITABLE CONTAINER.DO NOT ALLOW TO REMAIN IN CONTACT WITH COMBUSTIBLES.FLUSH SPILL AREA W/WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE IN COOL,DRY,PLACE AWAY FROM COMBUST/ORG/OTHER READILY OXIDIZABLE MATLS.KEEP CNTNR TIGHTLY CLSD WHEN NOT IN USE.IMMED REMOVE & DISPOSE SPILL MATL
Other Precautions:AVOID CONTACT W/SKIN & EYES & CLOTHING. FOR LABORATORY USE ONLY. NOT FOR DRUG,FOOD,HOUSEHOLD USE. KEEP OUT OF REACH OF CHILDREN. READ LABEL ON CONTAINER BEFORE USING.

Exposure Controls

Respiratory Protection:NONE SHOULD BE NEEDED IN NORMAL LABORATORY HANDLING. UNDER DUSTY CONDITIONS A STANDARD NIOSH APPROVED PARTICULATE RESPIRATOR IS DESIRABLE.
Ventilation:LOCAL EXHAUST & MECHANICAL (GENERAL) ARE RECOMMENDED.
Protective Gloves:RUBBER GLOVES.
Eye Protection:CHEMICAL SAFETY GLASSES.
Other Protective Equipment:GOGGLES,SMOCK,APRON,PROPER GLOVES,EYEWASH STATION,VENTILATION HOOD.
Work Hygienic Practices:DECONTAMINATE CLOTH/SHOES BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. DO NOT WEAR CONTACT LENSES WHEN WORKING W/CHEM.
Supplemental Safety and Health
FIREFIGHT:IN EXTENSIVE SCATTERING OF MOLTEN MATL.TREAT AS CLASS A FIRE.IN FIRE CONDITIONS WEAR NIOSH APPROVED SCBA & PROT CLOTH.
FIRE/EXPLO HAZ:EXPLODES WHEN HEATED OVER 1000F.

Chemical Properties

HCC:D1
Boiling Pt:B.P. Text:DECOMP@380C
Melt/Freeze Pt:M.P/F.P Text:585F,307C
Decomp Temp:Decomp Text:716F,380C
Vapor Pres:NEGLIGIBLE
Spec Gravity:2.261 @25C
Evaporation Rate & Reference:NON-VOLATILE
Solubility in Water:73 GRAMS/100ML @20C
Appearance and Odor:WHITE CRYSTALS, GRANULES, POWDER, PRILLS, NO ODOR.
Percent Volatiles by Volume:NONVOL

Stability

Stability Indicator/Materials to Avoid:YES
COMBUSTIBLE MATERIALS, REDUCING AGENTS, STRONG ACIDS.
Stability Condition to Avoid:EXCESSIVE TEMPERTURE HEAT.
Hazardous Decomposition Products:YIELDS TOXIC GASEOUS OXIDES OF NITROGEN WHEN INVOLVED IN FIRE.

Disposal

Waste Disposal Methods:DISCHARGE/TREATMET/DISPOSAL MAY BE SUBJ TO
FED/STATE/LOC LAWS.FOLLOWING GUIDELINES FOR DISPOSAL OF
CATALOG-SIZE QUANT ONLY:DISSOLVE IN WATER & FLUSH TO SEWER W/LG
AMTS OF WATER.

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