

MALLINCKRODT INC., SCIENCE PRODUCTS DIV -- 78132 SODIUM METAL -- 6810-00-275-8145  
===== Product Identification =====

Product ID:78132 SODIUM METAL

MSDS Date:08/30/1985

FSC:6810

NIIN:00-275-8145

MSDS Number: BXPTT

=== Responsible Party ===

Company Name:MALLINCKRODT INC., SCIENCE PRODUCTS DIV

Box:M

City:PARIS

State:KY

ZIP:40361-0315

Country:US

Info Phone Num:314-895-2000

Emergency Phone Num:314-539-1600

CAGE:1BF21

=== Contractor Identification ===

Company Name:FREY SCIENTIFIC

Address:100 PARAGON PARKWAY

Box:City:MANSFIELD

State:OH

ZIP:44905

Country:US

Phone:419-589-1900

CAGE:6U218

Company Name:MALLINCKRODT INC., SCIENCE PRODUCTS DIV

Box:M

City:PARIS

State:KY

ZIP:40361-0315

Country:US

Phone:314-982-5000

CAGE:1BF21

Company Name:SCIENCE KIT INC

Address:777 E PARK DR

Box:City:TONAWANDA

State:NY

ZIP:14150-6708

Country:US

Phone:716-874-6020

CAGE:57020

===== Composition/Information on I

Ingredients =====

Ingred Name:SODIUM (CERCLA)  
CAS:7440-23-5  
RTECS #:VY0686000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: NOT EXPECTED TO BE INHALATION HAZARD; HOWEVER, SODIUM FUMES CAN BE AN INTENSE IRRITANT TO RESPIRATORY MUCOSA. CONTACT WITH SKIN AND EYES MAY CAUSE SEVERE BURNS. INGESTION MAY CAUSE SEVERE BURNS TO MOUTH/THROAT; MAY COMBUST OR EXPLODE IN MOUTH/THROAT/ESOPHAGUS. CHRONIC: NO INFORMATION FOUND.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:INHALED-BURNS, CHOKING, DIFFICULT BREATHING. EYES-BURNS, PAIN, REDNESS, BLURRED VISION, DAMAGE. SKIN-VERY DEEP BURNS, TISSUE DAMAGE, PAIN, REDNESS. INGESTED -PAIN, BURNS TO MOUTH/THROAT/ESOPHAGUS.  
Medical Cond Aggravated by Exposure:NO INFORMATION FOUND.

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

First Aid:INHALED-REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY. INGESTION-IF CONSCIOUS, GIVE WATER/MILK AND GET IMMEDIATE MEDICAL ATTENTION. SKIN-FLUSH WITH LOTS OF WATER FOR 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHES/SHOES. GET IMMEDIATE MEDICAL HELP. EYES-WASH WITH PLENTY OF WATER FOR 15 MINUTES, LIFTING LIDS. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:FLAMMABLE SOLID  
Extinguishing Media:DRY SODA ASH, DRY SALT OR SAND. DO NOT USE WATER, CARBON DIOXIDE OR CHLORINATED FIRE EXTINGUISHERS.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.  
Unusual Fire/Explosion Hazard:REACTIONS WITH WATER FORMS SODIUM H

YDROXIDE AND HYDROGEN GAS WHICH MAY EXPLODE. BURNS VIOLENTLY  
ACCOMPANIED BY EXPLOSIONS WHICH CAUSE SPATTERING OF MATERIAL.

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

Spill Release Procedures:COLLECT SPILLED MATERIAL QUICKLY & TRANSFER TO  
A CONTAINER OF KEROSENE, LIGHT OIL OR SIMILAR MATERIAL. MINIMIZE  
EXPOSURE TO AIR. DO NOT USE WATER ON METAL. IF SPILLED ONTO WATER,  
BE VERY CAUTIOUS! EVA CUATE AREA. WEAR PROPER PROTECTIVE EQUIPMENT.

Neutralizing Agent:  
NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:ISOLATE FROM AIR, ACIDS, OXIDIZING  
AGENTS. STORE UNDER NITROGEN OR KEROSENE; NEVER UNDER HALOGENATED  
HYDROCARBONS. KEEP AWAY FROM WATER.

Other Precautions:PROTECT CONTAINER FROM PHYSICAL DAMAGE. KEEP AWAY  
FROM LOCATIONS WHICH NEED WATER AS A FIRE EXTINGUISHING AGENT. A  
DETACHED FIRE-RESISTANT BUILDING IS RECOMMENDED FOR QUANTITY  
STORAGE.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE  
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR  
AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE  
WITH 29 CFR 1910.13 4 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:A LOCAL EXHAUST SYSTEM WHICH CAPTURES THE CONTAMINANT AT  
ITS SOURCE IS RECOMMENDED TO PREVENT DISPERSION TO WORKROOM AIR

Protective Gloves:IMPERV  
IOUS.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:BOOTS, LAB COAT, APRON OR COVERALLS TO  
PREVENT SKIN CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DLA-HMIS-WASH HANDS AFTER HANDLING AND BEFORE  
EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE  
REUSE.

Supplemental Safety and Health

NO DLSC-TIR OR SAMMS CTFD WAS PROVIDED WITH DLA-HMIS PACKET; STAFF  
ENTERED WITH SUPPLY DATA PER EXISTING HMIS RECORD (ITEM NAME, U/I,  
ETC)

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

HCC:R2

Boiling Pt:B.P. Text:1178F,637C

Melt/Freeze Pt:M.P/F.P Text:208F,98C

Spec Gravity:0.968

Solubility in Water:DECOMPOSES VIOLENTLY

Appearance and Odor:LIGHT, SILVERY-WHITE METAL; ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

WATER,OXYGEN,HALOGENS,ACETYLENE,ALUMINUM HALIDES,AMMONIUM  
SALTS,OXIDES,OXIDIZING AGENTS,ACIDS,CHLORINATED ORGANIC CM  
DS..

Stability Condition to Avoid:KEEP AWAY FROM WATER/MOISTURE. KEEP AWAY  
FROM INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products:DOES NOT DECOMPOSE BUT DOES FORM  
FLAMMABLE HYDROGEN GAS IN CONTACT WITH AIR/WATER.

Conditions to Avoid Polymerization:THIS SUBSTANCE DOES NOT POLYMERIZE.

===== Disposal Considerations =====

Waste Disposal Methods:WASTE SODIUM SHOULD BE PACKAGED UNDER A  
HYDROCARBON FLUID & SENT TO A PERMITTED RCRA DISPOSAL FACILITY.  
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
ENVIRONMENTAL REGULATIONS. REPORTABLE QUANTITY (RCRA,CWA,CERCLA):  
10 POUNDS.

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