

## **2-NITROPHENOL**

### **MSDS Number**

CJFCZ

### **National Stock Number**

6810-00N090883

### **Product Name**

2-NITROPHENOL

### **Manufacturer**

MALLINCKRODT INC

### **Product Identification**

Product ID:2-NITROPHENOL

MSDS Date:02/26/1987

FSC:6810

NIIN:00N090883

Status Code:A

MSDS Number: CJFCZ

### **Responsible Party**

MALLINCKRODT INC

PARIS , KY 40361

US

Emergency Phone: 314-982-5000

Info Phone: 314-982-5000

Cage: MALIN

### **Contractor**

MALLINCKRODT INC

M

PARIS, KY 40361

US

314-982-5000

Cage: MALIN

### **Ingredients**

O-NITROPHENOL

CAS: 88-75-5

RTECS: SM2100000

OSHA PELN/K

ACGIH TLV: N/K

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

### **Hazards**

LD50 LC50 Mixture:LD50 (ORAL RAT): 334 MG/KG.

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

Health Hazards Acute and Chronic:ACUTE: INHALATION: NO INFORMATION FOUND, BUT COMPOUND SHOULD BE HANDLED AS A POTENTIAL HEALTH HAZARD.

INGESTION: TOXIC. HARMFUL IF SWALLOWED. CAN CAUSE FORMATION OF METHEMOGLOBIN, RESULTING IN CYAN OSIS (BLUE LIPS). SKIN: MAY CAUSE IRRITATION. MAY BE ABSORBED THROUGH THE SKIN. EYES: MAY CAUSE

IRRITATION. CHRONIC: NO INFORMATION FOUND.  
Medical Cond Aggravated by Exposure:NO INFORMATION FOUND.

## First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL MD. INGESTION: IF SWALLOWED, CALL MD IMMEDIATELY. SKIN: REMOVE ANY CONTAMINATED CLOTHING. WASH SKIN WITH SOAP OR MILD DETERGENT AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. EYES: WASH WITH PLenty OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

## Fire Fighting

Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE A FIRE OR AN EXPLOSION HAZARD.

## Accidental Release

Spill Release Procedures:VENTILATE AREA OF LEAK OR SPILL. CLEAN-UP PERSONNEL REQUIRE PROTECTIVE CLOTHING AND NIOSH APPROVED RESPIRATORY PROTECTION FROM DUST. SPILLS: PICK UP AND PLACE IN A SUITABLE CONTAINER FOR RECLAMATION OR DISPOSAL IN A METHOD THAT DOES NOT GENERATE DUST.

## Handling

Handling and Storage Precautions:KEEP IN A TIGHTLY CLOSED CONTAINER, STORED IN A COOL, DRY, VENTILATED AREA. PROTECT AGAINST PHYSICAL DAMAGE. ISOLATE FROM INCOMPATIBLE SUBSTANCES.  
Other Precautions:DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION.

## Exposure Controls

Respiratory Protection:FOR CONDITIONS OF USE WHERE EXPOSURE TO THE DUST IS APPARENT, A NIOSH APPROVED DUST/MIST RESPIRATOR MAY BE WORN. FOR EMERGENCIES, A NIOSH APPROVED SCBA MAY BE NECESSARY.  
Ventilation:A LOCAL SYSTEM WHICH CAPTURES THE CONTAMINANT AT ITS SOURCE IS RECOMMENDED TO PREVENT THE DISPERSION OF CONTAMINANT INTO THE WORKROOM AIR.  
Protective Gloves:IMPERVIOUS GLOVES .  
Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:EMERGENCY EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA . WEAR CLEAN BODY-COVERING CLOTHING.  
Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS MATERIAL. WASH THOROUGHLY AFTER HANDLING.  
Supplemental Safety and Health

## Chemical Properties

Boiling Pt:>213.9C, 417.F  
B.P. Text:417-421F  
Melt/Freeze Pt:>43.9C, 111.F  
M.P/F.P Text:111-113F  
Vapor Pres:1 MM HG @ 49.3C  
Spec Gravity:1.49  
Solubility in Water:SOLUBLE  
Appearance and Odor:LIGHT YELLOW CRYSTALS WITH AROMATIC ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES  
NO INFORMATION FOUND.  
Stability Condition to Avoid:STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE.  
Hazardous Decomposition Products:MAY FORM CARBON OXIDES AND NITROGEN

OXIDES WHEN HEATED TO DECOMPOSITION.

## Disposal

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE DISPOSED IN A RCRA APPROVED HAZARDOUS WASTE FACILITY. REPORTABLE QUANTITY (RQ) (CWA/CERCLA): 100 LBS. ENSURE COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

## Transport

Transport Information:DOT HAZARD CLASS: ORM-E.

## Regulatory

SARA Title III Information:HAZ CATEGORIES FOR SARA SECTIONS 311/312 REPORTING: ACUTE, CHRONIC. SARA SECTION 302 EHS RQ: REPORTABLE QTY OF EXTREMELY HAZ SUBSTANCES, LISTED AT 40 CFR 355. SARA SECTION 302 EHS TPQ: THRESHOLD PLANNING QTY OF EXTREMELY HAZ SUBSTANCE. AN ASTERISK (\*) FOLLOWING THRESHOLD PLANNING QTY SIGNIFIES THAT IF MATL IS SOLID & HAS PARTICLE SIZE EQUAL TO/LARGER THAN 100 MICROMETERS, THRESHOLD PLANNING QTY =10,000 LBS. SARA SECTION 313 CHEMS: TOX SUBSTANCES SUBJECT TO ANNUAL RELEASE REPORTING REQS LISTED AT 40 CFR 372.65.

Federal Regulatory Information:CERCLA SECTION 103: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (SUPERFUND). RELEASES TO AIR, LAND OR WATER OF THESE HAZARDOUS SUBSTANCES WHICH EXCEED THE REPORTABLE QUANTITY (RQ) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (800-424-8802); LISTED AT 40 CFR 302.4. RCRA: RESOURCE CONSERVATIONS AND RECLAMATION ACT. COMMERCIAL CHEM PRODUCT WASTES DESIGNATED AS ACUTE HAZARDS AND TOXIC UNDER 40 CFR 261.33.

State Regulatory Information:

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 information 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.