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http://siri.org/msds/f2/cjt/cjtmw.html
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SIGMA CHEMICAL CO -- 2,4-DINITROPHENOL, D7004 -- 6505-00N092728

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Product ID:2,4-DINITROPHENOL, D7004
MSDS Date:04/01/1999
FSC:6505
NIIN:00N092728
Status Code:A
MSDS Number: CJTMW
=== Responsible Party ===
Company Name:SIGMA CHEMICAL CO
Box:14508
City:ST LOUIS
State:MO
ZIP:63178
Country:US
Info Phone Num: 314-771-5765
Emergency Phone Num: 314-771-5765
CAGE:21076
=== Contractor Identification ===
Company Name:SIGMA CHEMICAL COMPANY
Address: 3050 SPRUCE ST
Box:14508
City:ST LOUIS
State:MO
ZIP:63178
Country:US
Phone: 314-771-5765
CAGE:21076
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            Ingred Name: 2, 4-DINITROPHENOL LD50: (ORAL, RAT) 30 MG/KG
CAS:51-28-5
RTECS #:SL2800000
= Wt: 100.
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS
LD50 LC50 Mixture: SEE INGREDIENT AND TOXICOLOGICAL INFO
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE EFFECTS: MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. CAUSES EYE AND SKIN IRRITATION. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. DISRUPTS OXIDATIVE P HOSPHORYLATION WHICH RESULTS IN INCREASED METABOLISM, CONSUMPTION OF OXYGEN AND PRODUCTION OF HEAT. EXPOSURE IS CHARACTERIZED BY SUDDEN ONSET OF FATIGUE, THIRST AND SWEATING. SYMPTOMS INCLUDE NAUSEA, VOMITING, ANOREXIA, WEAKNESS, DIZZINESS, VERTIGO, HEADACHE AND SWEATING. CHRONIC EFFECTS: DAMAGE TO THE LIVER. DERMATITIS. TARGET ORGANS: CENTRAL NERVOUS SYSTEM. EYES. LIVER, KIDNEYS. BLOOD, LUNGS. Effects of Overexposure:SEE HEALTH HAZARDS.

First Aid:EYES: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SKIN: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 M INUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGESTION: IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

- Extinguishing Media:WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
- Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT TO PREVENT CONTACT WITH SKIN AND EYES. FLAMMABLE SOLID.
- Unusual Fire/Explosion Hazard:MAY EXPLODE WHEN HEATED. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Spill Release Procedures:WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SI TE AFTER MATERIAL PICKUP IS COMPLETE.

Handling and Storage Precautions: KEEP TIGHTLY CLOSED. LIGHT SENSITIVE. STORE IN A COOL, DRY PLACE. DRY MATERIAL IS AN EXPLOSIVE. MATERIAL IS MOISTENED WITH 15% WATER.

Other Precautions:DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE. READILY ABSORBED THROUGH SKIN. WASH THOROUGHLY AFTER HANDLING. HIGHLY TOXIC. IRRITANT.

Respiratory Protection:WEAR APPROPRIATE NIOSH APPROVED RESPIRATOR. Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.

- Protective Gloves: CHEMNICAL-RESISTANT GLOVES.
- Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES .

Other Protective Equipment: ANSI APPROVED EYE WASH AND DELUGE SHOWER . OTHER PROTECTIVE CLOTHING.

Supplemental Safety and Health

Melt/Freeze Pt:>106.C, 222.8F M.P/F.P Text:106-108C Vapor Density:6.35 Appearance and Odor:YELLOW POWDER.

- STRONG OXIDIZING AGENTS. STRONG BASES. ACID CHLORIDES. ACID ANHYDRIDES. SENSITIVE TO LIGHT.
- Hazardous Decomposition Products: TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES.

Toxicological Information:RTECS 3: SL2800000 PHENOL, 2,4-DINITRO-. IRRIT DATA: SKN-RBT 300 MG/4W-I MLD JIHTAB 30,10,1948. TOXICITY DATA: ORL-HMN LDLO: 36 MG/KG JAMAAP 101,1333,1933. ORL-RAT LD50: 30 MG/KG TXAPA9 21,315,1972. I PR-RAT LD50: 20 MG/KG JPPMAB 17,814,1965. SCU-RAT LD50: 25 MG/KG JPETAB 49,187,1933. IVN-RAT LD50: 72 MG/KG TXAPA9 6,232,1964. ORL-MUS LD50: 45 MG/KG FATOAO 28,493,1965. IPR-MUS LD50: 26 MG/KG BCPCA6 18,1389,1969. SCU-MUS LD50: 58 MG/KG TXAPA9 6,232,1964. IVN-MUS LD50: 56 MG/KG TXAPA9 6,232,1964. ORL-CAT DL50: 75 MG/KG 85 GMAT -,62,1982. ORL-RBT DL50: 30 MG/KG FATOAO 28,493,1965. ORL-GPG LD50: 81 MG/KG FATOAO (ECOLOGICAL INFO)

Ecological:DATA NOT YET AVAILABLE.--TOXICOLOGICAL INFO: 28,493,1965. IPR-GPG LD50: 28 MG/KG ARZNAD 8,381,1958. IMS-PGN LD50: 6500 UG/KG JPETAB 53,58,1935. UNR-MAM LD50: 40 MG/KG 30ZDA9 -,97,1971. ORL-BWD LD50: 1 3 MG/KG TXAPA9 21,315,1972. TARGET ORGAN DATA: BEHAVIORAL (ALTERED SLEEP TIME; CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD; CHANGE IN MOTOR ACTIVITY; ATAXIA; TETANY; COMA). CARDIAC (CHANGE IN RATE). LU NGS, THORAX OR RESPIRATION (RESPIRATORY STIMULATION). EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY). NUTRITIONAL AND GROSS METABOLIC (BODY TEMPERATURE INCREASE). (TRANSPORT INFO)

Waste Disposal Methods:DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

Transport Information:CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. --ECOLOGICAL INFO: ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTE CS FOR COMPLETE INFO.

- SARA Title III Information: THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.
- Federal Regulatory Information:EUROPEAN INFORMATION HIGHLY FLAMMABLE. TOXIC. R 23/24/25 TOXIC BY INHALATION, IN CONTACT W/SKIN & IF SWALLOWED. R 33 DANGER OF CUMULATIVE EFFECTS. S 28 AFTER CONTACT W/SKIN, WASH IMMEDIATELY W/PLENT Y OF WATER. S 37 WEAR SUITABLE GLOVES. S 45 IN CASE OF ACCIDENT OF IF YOU FEEL UNWELL, SEE MEDICAL ADVICE IMMEDIATELY (SHOW LABEL WHERE POSSIBLE). REVIEWS, STANDARDS & REGULATIONS: OEL=MAK. EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION FEREAC 54, 7740, 1989. NOHS 1974: HZD 2711 0; NIS 1; TNF 19; NOS 1; TNE 38. NOES 1983: HZD 27110; NIS 1; TNF 7; NOS 3; TNE 130; TFE 14. (STATE REG INFO)
- State Regulatory Information:N/P. --FED REG INFO: EPA TSCA SECTION 8(B)
 CHEMICAL INVENTORY. EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY
 STUDIES ON EPA IRIS DATABASE. EPA TSCA TEST SUBMISSION (TSCATS)
 DATA BASE, JUNE 1998.

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