

D-5330NS

MSDS Number

CLJPW

National Stock Number

9150-00-163-9036

Product Name

D-5330NS

Manufacturer

ZIP CHEM PRODUCTS MITANN INC DBA ZIP CHEM PRODUCTS

Product Identification

Product ID:D-5330NS
MSDS Date:07/22/1998
FSC:9150
NIIN:00-163-9036
Status Code:A
MSDS Number: CLJPW

Responsible Party

ZIP-CHEM PRODUCTS/ MITANN INC DBA ZIP-CHEM PRODUCTS

400 JARVIS DR

MORGAN HILL , CA 95037

US

Emergency Phone: (800) 424-9300

Info Phone: 408-782-2500

Cage: 1KQX9

Contractor

ZIP-CHEM PRODUCTS/ MITANN INC DBA ZIP-CHEM PRODUCTS

MORGAN HILL, CA 95037

US

408-782-2500

Cage: 1KQX9

Ingredients

MOLYBDENUM DISULFIDE

CAS: 1317-33-5

RTECS: QA4697000

OSHA PEL15 MG/M3

ACGIH TLV: 10 MG/M3

1,1-DIFLUOROETHANE

CAS: 75-37-6

RTECS: KI1410000

ACGIH TLV: 1000 PPM

DIMETHYL ETHER

CAS: 115-10-6

RTECS: PM4780000

Hazards

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: BREATHING HIGH CONCENTRATIONS OF VAPORS MAY CAUSE TEMPORARY NERVOUS SYSTEM DEPRESSION WITH ANESTHETIC EFFECTS SUCH AS DIZZINESS, HEADACHE, OR NAUSEA. CHRONIC: PROLONGED EXPOSURE TO EXTREMELY HIGH CONCENTRATIONS OF THE VAPORS MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.

Effects of Overexposure:INHALATION-ACUTE: NAUSEA, DIZZINESS,&/OR HEART IRREGULARITIES MAY OCCUR FROM BREATHING HIGH CONCENTRATIONS. CHRONIC: BREATHING EXTREMELY HIGH CONCENTRATIONS OF THE VAPORS MAY LEAD TO ANESTHETIC EFFECTS SUCH AS DIZZINESS, HEADACHE, OR NAUSEA. PROLONGED EXPOSURE TO EXTREMELY HIGH CONCENTRATIONS OF VAPORS MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. SKIN-ACUTE: MAY CAUSE IRRITATION OR BURNING SENSATION AS WELL AS FROSTBITE. CHRONIC: MAY CAUSE DERMATITIS. EYE: MAY CAUSE IRRITATION. INGESTION-ACUTE: MAY CAUSE NAUSEA OR VOMITING.
Medical Cond Aggravated by Exposure:NONE KNOWN.

First Aid

First Aid:DO NOT USE EPINEPHRINE IN CONJUNCTION WITH THIS MATERIAL.
EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES AND TAKE TO PHYSICIAN. SKIN: WASH AFFECTED AREA, TREAT FOR FROSTBITE IF NECESSARY, AND CONSULT A PHYSICIAN IF IRRITATION PERSISTS.
INGESTION: CALL A PHYSICIAN AND/OR TRANSPORT TO EMERGENCY FACILITY IMMEDIATELY. DO NOT INDUCE VOMITING SO AS TO AVOID ASPIRATION OF MATERIAL INTO THE LUNGS. INHALATION: REMOVE FROM EXPOSURE AND RESTORE BREATHING. SEEK MEDICAL ATTENTION.

Fire Fighting

Flash Point:NOT DETERMINED
Lower Limits:1.1%
Upper Limits:19.0%
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.
Fire Fighting Procedures:USE STANDARD FIREFIGHTING TECHNIQUES TO FIGHT FIRES INVOLVING THIS MATERIAL.
Unusual Fire/Explosion Hazard:HAZARDOUS COMBUSTION PRODUCTS: HYDROCHLORIC AND HYDROFLUORIC ACIDS, CARBON MONOXIDE AND CARBON DIOXIDE, POSSIBLY CARBONYL HALIDES AT HIGH TEMPERATURES.

Accidental Release

Spill Release Procedures:FOR ALL TRANSPORTATION ACCIDENTS CALL CHEMTREC AT 1-800-424-9300. REPORTABLE QUANTITY: N/A. STOP SOURCE OF SPILL AS SOON AS POSSIBLE & NOTIFY APPROPRIATE PERSONNEL. BURN AROUND SPILL AREA TO PREVENT SPILL FROM SPREADING. VENTILATE AREA. DO NOT FLUSH INTO SEWERS. VAPORS MAY BE SUPPRESSED BY USE OF WATER FOG OR SPRAY. CONTAIN ALL LIQUID FOR TREATMENT OR NEUTRALIZATION. CONTAIN FOR TREATMENT.

Handling

Handling and Storage Precautions:DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES AND CLOTHING. UPON CONTACT WITH SKIN OR EYES WASH OFF WITH WATER. STORE IN A COOL, DRY, WELL-VENTILATED PLACE. STORE AT TEMPERATURES BELOW 120F. DO NOT STORE OR USE NEAR HEAT, SPARKS, OR FLAMES.
Other Precautions:AVOID BREATHING VAPORS. VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS AND OTHER CONFINED AREAS. SHELF LIFE LIMITATIONS: 36 MONTHS FROM DATE OF SHIPMENT.

Exposure Controls

Respiratory Protection:USE A DUST RESPIRATOR WHEN WORKING WITH THE ATOMIZED PRODUCT. BREATHING APPARATUS RECOMMENDED IF NECESSARY FOR APPLICATION. REFER TO NIOSH PUBLICATION NO. 89-105 AND NIOSH NO. 87-116. SEE OSHA REQUIREMENT UNDER 29 CFR 1910.1025 AND 29 CFR

1910.134.
Ventilation:LOCAL OR MECHANICAL TO KEEP INGREDIENTS BELOW THEIR EXPOSURE LIMITS.
Protective Gloves:IMPERVIOUS GLOVES ARE RECOMMENDED TO PREVENT SKIN CONTACT.
Eye Protection:SAFETY GLASSES TO PREVENT EYE CONTACT ARE RECOMMENDED.
Other Protective Equipment:BOOTS, APRON, PROTECTIVE SUIT.
Supplemental Safety and Health
PRODUCT CODE: 002059

Chemical Properties

HCC:V3
Boiling Pt:B.P. Text:NOT DETERMINED
Melt/Freeze Pt:M.P/F.P Text:NOT DETERMINED
Decomp Temp:Decomp Text:NOT DETERMINED
Vapor Pres:NOT DETERMINED
Vapor Density:>AIR
Spec Gravity:0.8
Evaporation Rate & Reference:FASTER THAN ETHER
Solubility in Water:NEGLIGIBLE
Appearance and Odor:BLACK LIQUID; STRONG ODOR
Percent Volatiles by Volume:85%

Stability

CONCENTRATED NITRIC AND SULFURIC ACIDS, STRONG OXIDIZERS, HALOGENS AND HALOGEN COMPOUNDS.
Stability Condition to Avoid:TEMPERATURES ABOVE 120F (49C)
Hazardous Decomposition Products:HYDROCHLORIC AND HYDROFLUORIC ACIDS, CARBON MONOXIDE AND CARBON DIOXIDE, POSSIBLY CARBONYL HALIDES AT HIGH TEMPERATURES.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:SPILLED MATERIAL COLLECTED IN ABSORBENT MATERIAL SHOULD BE TRANSFERRED TO STEEL DISPOSAL OR RECOVERY DRUMS. IF THIS PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER 40 CFR 261(D). DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

Toxicology

Toxicological Information:SEE HEALTH HAZARDS.

Other 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.

Ecology

Ecological:AQUATIC TOXICITY: NONE KNOWN OR REPORTED.

Transport

Transport Information:DOT PSN: CONSUMER COMMODITY, ORM-D

Regulatory

SARA Title III Information:CERCLA SECTION 103 (40CFR302.4): N SARA SECTION 302/304: NO EHS LISTED. SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21): CLASSIFIED AS A HEALTH & PHYSICAL HAZARD. SEC 313: THIS MATERIAL DOES NOT CONTAIN CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SEC 313 & 40CFR 372. AND CERCLA (40CFR 302).
Federal Regulatory Information:TSCA INVENTORY STATUS: THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. AND MITI (JAPAN).

EINECS AND DSL INVENTORIES.

State Regulatory Information: CALIFORNIA PROPOSITION 65 - THIS PRODUCT NOT KNOWN TO CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM. MASSACHUSETTS AND PENNSYLVANIA REQUIRE TO KNOW HAZARDOUS SUBSTANCE LIST: MOLYBDENUM DISULFIDE, 1,1-DIFLUOROETHANE AND DIMETHYL ETHER.