View NSN Online: https://aerobasegroup.com/nsn/3439-01-249-7197

SULZER PLASMA TECHNIK INC -- AMDRY 780 -- 3439-01-249-7197

Product ID:AMDRY 780 MSDS Date:05/10/1992

FSC:3439

NIIN:01-249-7197 Status Code:A

MSDS Number: CLPGJ === Responsible Party ===

Company Name: SULZER PLASMA TECHNIK INC

Address:1972 MEIJER DR

Box:84310 City:TROY State:MI

ZIP:48084-0310

Country:US

Info Phone Num:313-288-1200

Emergency Phone Num:800-424-9300 Chemtrec Ind/Phone:(800)424-9300

CAGE:53654

=== Contractor Identification ===

Company Name: SULZER PLASMA TECHNIK INC

Address:1972 MEIJER DR

Box:84310 City:TROY State:MI

ZIP:48084-0310

Country:US

Phone:313-288-1200

CAGE:53654

======= Composition/Information on Ingredients ========

Ingred Name:NICKEL

CAS:7440-02-0

RTECS #:QR5950000 Minumum % Wt:92.25 Maxumum % Wt:92.9 OSHA PEL:1 MG/M3 ACGIH TLV:0.05 MG/M3 EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Ingred Name: SILICON

CAS:7440-21-3

RTE

CS #:VW0400000 Minumum % Wt:4.35 Maxumum % Wt:4.65 OSHA PEL:10 MG/M3 ACGIH TLV:10 MG/M3

Ingred Name:BORON CAS:7440-42-8 RTECS #:ED7350000 Minumum % Wt:2.75 Maxumum % Wt:3.1

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:NICKEL TARGET ORGANS: LUNGS, PARANASAL SINUS, CENTRAL NERVOUS SYSTEM. HYPERPNEA, CYANOSIS, WEAKNESS,

LEUKOCYTOSIS, PNEUMONITIS, DELIRIUM, CONVULSIONS, LUNG CANCER AND SINUS AND PULMONARY CARCINOGENES IS DUE TO CHRONIC EXPOSURE. SILICON AND BORON: NO HEALTH EFFECTS GIVEN.

Explanation of Carcinogenicity:NICKEL:IARC: CARCINOGENIC TO HUMANS WITH SUFFICIENT EPIDEMIOLOGICAL EVIDENCE. NTP: CARCINOGEN; REASONABLE ANTICIPATED TO BE CARCINOGENIC, LIMITED EVIDENCE IN HUMANS OR SUFFICIENT EVIDENCE IN EXPERIMEN TAL ANIMALS. ACGIH ANDOSHA: NOT LISTED. NIOSH: CARCINOGEN AS DEFINED B

Y NIOSH. NO FURTHER
CLASSIFICATION. MAK: CAPABLE OF PRODUCING MALIGNANT TUMORS IN HUMANS.

Effects of Overexposure:HEADACHE, VERTIGO, NAUSEA, VOMITING, EPIGASTRIC PAIN, SUBSTERNAL PAIN, COUGH, HYPERPNEA, CYANOSIS, WEAKNESS, LEUKOCYTOSIS, PNEUMONITIS, DELIRIUM, CONVULSIONS. LUNG CANCER AND SINUS AND PULMONARY CARCI NOGENESIS DUE TO CHRONIC EXPOSURE. SOURCE NIOSH 1990.

First Aid:EYES: IRRIGATE WITH WATER OCCASIONALLY LIFTING LOWER AND

UPPER EYELIDS. GET MEDICAL ATTENTION. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS POWDER. SKIN: FLUSH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALTION: IF LARGE AMOUNT OF PRODUCT INHALED, MOVE TO FRESH AIR. IF BREATHING HAS STOPPED PERFORM CPR. KEEP AFFECTED PERSON WARM AND AT REST. GET MEDICAL ATTENTION. INGESTION: IF PRODUCT SWALLOWED, GET MEDICAL ATTENTION.

======================================
Extinguishing Media:DRY CHEMICAL, SAND, OR FLOOD WITH WATER FROM A DISTANCE.
Fire Fighting Procedures:FLOOD WITH WATER FROM A DISTANCE. Unusual Fire/Explosion Hazard:FINELY DIVIDED DUST MAY IGNITE WHEN IN CONTACT WITH A FLAME. HAZARDOUS COMBUSTION PRODUCTS: POSSIBLE UNBURNED VAPORS. EXPLOSION SENSITIVITY TO IMPACT AND/ OR STATIC: N/A.
======== Accidental Release Measures =========
Spill Re lease Procedures:WEAR RESPIRATORY EQUIPMENT, PROTECTIVE CLOTHING, GLOVES, SAFETY GLASSES DURING SPILL CLEANUP. COLLECT MATERIAL BY WET SWEEPING, DRY SWEEPING WITH SWEEPING COMPOUND, OR VACUUM WITH EXPLOSION PROOF APP ARATUS EQUIPPED WITH HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTER. SALVAGE MATERIAL FOR ON-SITE REUSE, RECYCLING, OR CONTACT LOCAL AUTHORITY FOR GUIDANCE ON WASTE STORAGE AND DISPPOSAL METHODS.
======= Handling and Storage ====================================
Handling and Storage Precautions:KEEP PRODUCT DRY AND IN CLOSED CONTAINERS. DO NOT STORE NEAR MINERAL ACIDS.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:USE NIOSH APPROVED PARTICULATE RESPIRATORS WHENEVER DUST MAY BE DETECTED IN THE AIR. Ventilation:USE ADEQUATE LOCAL EXHAUST SYSTEM FOR OPERATIONS LIKELY TO PRODUCE DUST/MIST/FUME IN ORDER TO MAINTAIN AIRBORN CONCENTRATIONS BELOW SPECIFIED LIMITS.
Protective Gloves:WEAR IMPER VIOUS GLOVES DURING ROUTINE HANDLING. Eye Protection:WEAR SAFETY GLASSES DURING HANDLING. Other Protective Equipment:WEAR SAFETY FOOTWEAR AND PROTECTIVE CLOTHING. CHANGE CLOTHING DAILY IF CONTAMINATED WITH PRODUCT OR
BY-PRODUCT SAFETY SHOWER AND FYE WASH STATION SHOULD BE PRESENT IN

Work Hygienic Practices:WASH HANDS THOROUGHLY AND OFTEN AFTER HANDLING POWDER OR BY-PRODUCTS. KEEP WORK AREA CLEAN. DO NOT EAT OR DRINK IN

WORK AREA. LAUNDER PROTECTIVE CLOTHING AND G

WORK AREA.

Supplemental Safety and Health
========= Physical/Chemical Properties ==========
HCC:T7 Solubility in Water:NONE Appearance and Odor:SOLID, GRAY POWDER; NO ODOR
======== Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES STRONG ACIDS AND ALKALIES. Hazardous Decomposition Products:N/A. OZONE AND NITRIC OXIDE ARE FORMED BY HIGH TEMPERATURE PLASMA OR COMBUSTION JET AND CONTACT WITH STRONG ACIDS CAN LIBERATE HYDROGEN GAS. HAZARDOUS COMBUSTION PRODUCTS: POSSIBLE UNBURNED VAPORS.
========= Toxicological Information ==========
Toxicological Information:HAZARDS: NICKEL: ORAL, RAT, LD50: >5000 MG/KG; INHALATION, RAT. LC50: >10MG/L. SILICON: ORAL, RAT, LD50: 3160 MG/KG. BORON: ORAL, MOUSE, LD50: 2000 MG/KG.
======= Disposal Considerations ==========
Waste Disposal Methods:SALVAGE MATERIAL FOR ON-SITE REUSE OR RECYCLING, OR CONTACT T HE APPROPRIATE LOCAL GOVERNMENT AUTHORITY FOR GUIDANCE ON ACCEPTABLE WASTE STORAGE AND DISPOSAL METHODS.
======== MSDS Transport Information ==========
Transport Information:LESS THAN RQ, 100 LBS (45.4 KG): CAN BE SHIPPED AS A NONHAZARDOUS (NONREGULATED) MATERIAL IN QUANTITIES LESS THAN 100 POUNDS (RQ OF NICKEL METAL LIMITED TO THOSE PIECES OF THE METAL HAVING A DIAMETER SMALLER THAN 100 MICROMETERS OR 0.004 INCHES). GREATER THAN 100 LBS, THE PRODUCT MUST BE SHIPPED AND HANDLED AS FOLLOWS: PSN: HAZARDOUS SUBSTANCE, SOLID, N.O.S.; HAZARD CLASS: ORM-E; NA 9188; LABELS REQUIRED: NONE; PACKAGE EXCEPTIONS: NONE. PACKAGING REQUIREMENTS: 49 CFR PART 173.1300 (GENERAL SAFE SHIPPING AND TRANSFERRING PROTOCOL). MAXIMUM NET QUANT. / PACKAGE: NO LIMIT. WATER SHIPMENT REQUIRE MENTS: (CONTD. SEE "OTHER INFO")
======================================
Disclaimer (provided with this information by the compil

LOVES AS REQUIRED.

ing 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.