

SULZER PLASMA TECHNIK, INC. -- AMDRY 750 -- 3439-01-380-7116

=====  
Product Identification  
=====

Product ID:AMDRY 750  
MSDS Date:10/05/1992  
FSC:3439  
NIIN:01-380-7116  
MSDS Number: BYHCD  
=== Responsible Party ===  
Company Name:SULZER PLASMA TECHNIK, INC.  
Address:1972 MEIJER DRIVE  
City:TROY  
State:MI  
ZIP:48084  
Country:US  
Info Phone Num:313-288-1200  
Emergency Phone Num:800-424-9300  
CAGE:53654  
=== Contract  
or 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  
Company Name:SULZER PLASMA TECHNIK, INC.  
Box:UNKNOW  
CAGE:63765

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

Ingred Name:NICKEL  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3

Ingred Name:CHROMIUM  
CAS:7440-47-3  
RTECS #:GB4200000

Fraction by Wt: 13-15%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 4-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 4-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:BORON  
CAS:7440-42-8  
RTECS #:ED7350000  
Fraction by Wt: 2-3.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG B2O3/M3  
ACGIH TLV:10 MG B2O3/M3

Ingred Name:CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
Fraction by Wt: 0.6-0.9%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:COBALT  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 0.1% MAX  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:LUNG CANCER AND SINUS AND PULMONARY  
CARCINOGENESIS

DUE TO CHROME EXPOSURE.

Explanation of Carcinogenicity:NICKEL IS LISTED AS A CARCINOGEN BY IARC AND NTP.

Effects of Overexposure:HEADACHE, VERTIGO, NAUSEA, VOMITING, EPIGASTRIC PAIN, SUBSTERNAL PAIN,. COUGH, HYPERPNEA, CYANOSIS, WEAKNESS, LEUKOCYTOSIS, PNEUMONIA, DELIRIUM, CONVULSIONS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES-IRRIGATE IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER. GET

MEDICAL ATTENTION. SKIN-IMMEDIATELY FLUSH SKIN WITH SOAP & WATER. IF ANY IRRITATION PERSIST AFTER WASHING, GET MEDICAL ATTENTION. INHALATION-MOVE TO FRESH AIR AT ONCE. IF BREATHING HAS STOPPED, PERFORM CPR. KEEP WARM & AT REST. GET MEDICAL ATTENTION AS SOON AS POSSIBLE. INGESTION-GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper L

imits:NA

Extinguishing Media:DRY CHEMICAL, SAND OR FLOOD WITH WATER FROM A DISTANCE.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:FINELY DIVIDED DUST MAY IGNITE WHEN IN CONTACT WITH A FLAME.

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

Spill Release Procedures:PROTECTIVE EQUIPMENT SHOULD BE WORN TO PREVENT CONTACT OR INHALATION. COLLECT MATERIAL BY WET SWEEPING, DRY SWEEPING WITH A SWEEPING COMPOUND, OR BY VACUUM CLEANING WITH AN EXPLOSION PROOF APPARATUS EQUIPPED WITH A HEPA FILTER.

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

Handling and Storage Precautions:KEEP PRODUCT DRY AND IN CLOSED CONTAINERS. DO NOT STORE NEAR MINERAL ACIDS.

Other Precautions:HAZARD CLASS ORM-E. PROPER SHIPPING NAME: HAZARDOUS SUBSTANCE, SOLID, NOS (RQ NICKEL).

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

Respiratory Protection:USE NIOSH APPROVED PARTICULATE RESPIRATOR

TOR

WHENEVER DUST MAY BE DETECTED IN THE AIR.

Ventilation:USE AN ADEQUATE LOCAL EXHAUST VENTILATION SYSTEM FOR ANY OPERATIONS LIKELY TO PRODUCE DUST, MIST OR FUME.

Protective Gloves:IMPERVIOUS GLOVES, HEAT RESISTANT GLOVES

Eye Protection:SAFETY GLASSES, SHADED LENS GOGGLES.

Other Protective Equipment:WEAR SAFETY FOOTWARE. WEAR PROTECTIVE CLOTHING AT ALL TIMES. EAR PROTECTION SHOULD BE WORN. SAFETY SHOWER & EYE WASH.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING POWDER OR

ITS BY-PRODUCTS. KEEP WORK AREA CLEAN. DO NOT EAT OR DRINK IN WORK AREA.

Supplemental Safety and Health

LAUNDRER PROTECTIVE CLOTHING AND GLOVES AS REQUIRED. CHANGE CLOTHING DAILY.

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

HCC:V1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:NA

Viscosity:NA

Evaporation Rate & Reference:NA

Solubility in Water:NONE

Appearance and

Odor:GRAY POWDER/NO ODOR.

Percent Volatiles by Volume:NA

Corrosion Rate:NA

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS.

Stability Condition to Avoid:OZONE & NITRIC OXIDE ARE FORMED BY HIGH TEMPERATURE PLASMA OR COMBUSTION JET & CONTACT WITH STRONG ACIDS.

Hazardous Decomposition Products:NA

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

Waste Disposal Methods:SALVAGE MATERIAL FOR ON-SITE R

EUSE OR RECYCLING,  
OR CONTACT THE APPROPRIATE LOCAL GOVERNMENT AUTHORITY FOR GUIDANCE  
ON ACCEPTABLE WASTE STORAGE AND DISPOSAL METHODS.

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.