

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

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===== 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
=== Contrac
tor 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

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===== 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 #:GB420000

0
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, EPIGASTRIIC PAIN, SUBSTERNAL PAIN,. COUGH, HYPERPNEA, CYANOSIS, WEAKNESS, LEUKOCYTOSIS, PNEUMONIA, DELERIUM, CONVULSIONS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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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. INHALATIO N-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.

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Fire Fighting Measures
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Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper

Limits: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.

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Accidental Release Measures
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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 E QUIPPED WITH A HEPA FILTER.

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Handling and Storage
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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).

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Exposure Controls/Personal Protection
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Respiratory Protection:USE NIOSH APPROVED PARTICULATE RESPIR

ATOR

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

REUSE OR RECYCLING,

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

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