

SULZER PLASMA TECHNIK, INC. -- AMDRY 301 AND CDS 1301 POWDER -- 3439-01-380-6752  
===== Product Identification =====

Product ID:AMDRY 301 AND CDS 1301 POWDER

MSDS Date:02/25/1992

FSC:3439

NIIN:01-380-6752

MSDS Number: BYHLP

=== 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

=== 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

Company Name:SULZER PLASMA TECHNIK, INC.

Box:UNKNOW

CAGE:63765

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

Ingred Name:TUNGSTEN

CAS:7440-33-7

RTECS #:YO7175000

Fraction by Wt: 88%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:C

OBALT  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 12%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS: LUNGS, DIGESTIVE  
SYSTEM, SKIN. CHRONIC EXPOSURE MAY CAUSE CORNEAL DMAGE,  
POLYCYTHEMIA, HYPERPLASIA OF THE THYROID GLAND, AND DAMAGE  
TO THE  
APLHA CELLS OF THE PANCREAS.  
Explanation of Carcinogenicity:NOT LISTED.  
Effects of Overexposure:NAUSEA, ABDOMINAL PAIN, VOMITING, DIARRHEA,  
BURNING SENSATION, INTERSTITIAL PNEUMONITIS, MAY CAUSE  
SENSITIZATION IN SUSCEPTIBLE INDIVIDUALS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES-IRRIGATE IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER. GET  
MEDICAL ATTENTION. SKIN-IMMED  
IATELY 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-GIVE 2 GLASSES OF MILK OR WATER. INDUCE  
VOMITING. GET AID.

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

Flash Point:NA  
Autoignition Temp:Autoignition Temp Text:NA  
Lower Limits:NA  
Upper Limits:NA  
Exting

Washing Media: DRY CHEMICAL OR SAND.

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 NONE.

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

Respiratory Protection: USE NIOSH APPROVED PARTICULATE RESPIRATOR WHENEVER DUST MAY BE DETECTED IN THE AIR.

Ventilation: USE AN ADEQUATE LOCAL EXHAUST VENTILATION SYSTEM FOR ANY OPERATION

ERATIONS 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 FOOTWEAR. 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

LAUNDRY

PROTECTIVE CLOTHING AND GLOVES AS REQUIRED. CHANGE CLOTHING DAILY.

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

HCC: N1

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

Evaporation Rate & Reference: NA

Solubility in Water: NONE

Appearance and Odor: DUSTY POWDER/NO ODOR.

Percent Volatiles by Volume: NA

Corrosion Rate: NA

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

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Stability Indicator/Materials to Avoid: YES

CHLORINE TRIFLUORIDE, FLUORINE, NITROGEN DIOXIDE, NITROUS OXIDE, IODINE  
PENTAFLUORIDE, LEAD OXIDE AND ACETYLENE.

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

Hazardous Decomposition Products: NA

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

Waste Disposal Methods: SALVAGE MATERIAL FOR ON-SITE REUSE OR RECYCLING,  
OR CONTACT THE APPROPRIATE LOCAL GOVERN  
MENT AUTHORITY FOR GUIDANCE  
ON ACCEPTABLE WASTE STORAGE AND DISPOSAL METHODS.

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