View NSN Online: https://aerobasegroup.kr/nsn/3439-01-380-4214

Product ID:METCO 443, 443NS MSDS Date:05/03/1993 FSC:3439 NIIN:01-380-4214 MSDS Number: BYCRZ === Responsible Party === Company Name: METCO PERKIN-ELMER Address:1101 PROSPECT AVENUE Box:1006 City:WESTBURY State:NY ZIP:11590-0201 Country:US Info Phone Num:516-334-1300;202-483-7616 Emergency Phone Num:516-33 4-1300;800-424-9300(CHEMTREC) CAGE:FO877 === Contractor Identification === Company Name: METCO INC, SUB OF THE PERKIN-ELMER CORP Address:1101 PROSPECT AVENUE Box:City:WESTBURY State:NY ZIP:11590-2724 Country:US Phone:516-334-1300 CAGE:39918 Company Name: METCO PERKIN-ELMER Address:1101 PROSPECT AVENUE Box:1006 City:WESTBURY State:NY ZIP:11590-0201 Phone: (516) 334-1300 CAGE:FO877 Company Name:SULZER METCO (US) INC Address:1101 PROSPECT AVE Box:City:WESTBURY State:NY ZIP:11590-2724 Country:US Phone:

516-334-1300 CAGE:01FK3

Ingred Name:ALUMINUM (SARA III) CAS:7429-90-5 RTECS #:BD0330000 Fraction by Wt: 6% % Other REC Limits:NONE RECOMMENDED OSHA PEL:15MG/M3 DUST/5 FUME ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:MANGANESE (SARA III) CAS:7439-96-5 RTECS #:OO9275000 Fraction by Wt: 1% % Other REC Limits:NONE RECOMMENDED OSHA PEL:5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9192

Ingred Name:SILICON CAS:7440-21-3 RTECS #:VW0400000 Fr action by Wt: 1% % Other REC Limits:NONE RECOMMENDED OSHA PEL:10 MG/M3 TDUST ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:CHROMIUM (SARA III) CAS:7440-47-3 RTECS #:GB4200000 Fraction by Wt: 18% % Other REC Limits:NONE RECOMMENDED OSHA PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3; 9192 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:IRON CAS:7439-89-6 RTECS #:NO4565500 Fraction by Wt: 1% % Other REC Limits:NONE RECOMMENDED

Ingred Name:NICKEL (SARA III) CAS:7440-02-0 RTECS #:QR5950000 Fraction by Wt: 72% % Ot her REC Limits:NONE RECOMMENDED OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3; 9192

Ingred Name:ORGANIC BINDER Fraction by Wt: 1% % Other REC Limits:NONE RECOMMENDED

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic: INHALATION MAY CAUSE PNEUMOCONIOSIS, SILICOSIS, SIDEROSIS, PULMONARY FIBR **OSIS, DEPRESSION OF CENTRAL** NERVOUS SYSTEM, CANCERS OF THE LUNG AND NASAL SINUSES AND STOMACH. PULMONARY, SKIN AND EYE IRRITANT DUE TO ABRASIVE ACTION. MAY CAUSE DERMATITIS, SENSITIZATION OR CHROME LESIONS. Explanation of Carcinogenicity: CONTAINS CHROMIUM, NICKEL, CRYSTALLINE SILICA POSSIBLE HUMAN CARCINOGENS. Effects of Overexposure: MAY CAUSE EYE IRRITATION, SKIN IRRITATION, DERMATITIS, SKIN LEISIONS, RESPIRATORY TRACT IRRITATION, PNEUMOCONIOSIS, POSSIBLE LUNG AND/OR NA SAL SINUS CANCER, SHORTNESS OF BREATH, COUGH, DECREASED CHEST EXPANSION, LESSENED CAPACITY FOR WORK, HEADACHE, DIZZINESS, INCOORDINATION, DROWSINESS. Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER. 

First Aid:EYES: FLUSH WITH SUFFICIENT AMOUNTS OF WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN. SKIN: IF IRRITATION OCCURS, WASH WITH SOAP AND WATER TO REMOVE POWDER. INHALATION: EXPOSE TO F RESH

AIR. CONSU LT PHYSICIAN IF IRRITATION OR RESPIRATORY DISTRESS PERSISTS. INGESTION: CONSULT A PHYSICIAN.

Flash Point:NONE Lower Limits:NOT GIVEN Upper Limits:NOT GIVEN Extinguishing Media:USE CLASS D FIRE EXTINGUISHER. Fire Fighting Procedures:TREAT AS A METAL FIRE. Unusual Fire/Explosion Hazard:FINE METAL DUSTS ARE FLAMMABLE AND MAY EXPLODE WHEN EXPOSED TO HEAT, FLAME OR STRONG OXIDIZERS. ALUMINUM IS A FL

## AMMABLE SOLID, DON'T EXPOSE TO WATER OR MOISTURE

Spill Release Procedures: VACUUM LOOSE POWDER ONLY WITH VACUUMS EQUIPPED WITH HEPA FILTRATION. VACUUMS APPROPRIATE FOR USE WITH ALUMINUM METALLIC SHOULD BE UTILIZED. WIPE THE AREA CLEAN. DO NOT USE WATER FOR CLEAN UP OPERATION S. DO NOT SWEEP. AVOID GENERATING AIRBORNE DUST.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

====== Handling and St

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLES. STORE PRODUCT CONTAINERS IN WELL VENTILATED, CLEAN, COOL AND DRY AREA. AVOID PHYSICAL DAMAGE.

Other Precautions: AVOID CONTACT OF MATERIAL WITH WATER OR OXIDIZERS. DO NOT INGEST. AVOID INHALATION, PROLONGED OR REPEATED SKIN CONTACT OR CONTACT WITH EYES.

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

Respiratory Protection:A RESPIRATOR APPROVED BY NIOSH WITH FILTER CARTRIDGES APPROVED FOR DUST/FUMES/MISTS SHOULD BE WORN AT ALL TIMES DURING THERMAL SPRAY PROCESS TO PROTECT OPERATOR. RESPIRATORS MAY ALSO BE WORN WHEN PROD UCT HANDLING GENERATES DUST. Ventilation:USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION. Protective Gloves:ALUMINIMIZED GLOVES DURING PROCESSING Eye Protection:CHEMICAL WORKERS GOGGLES Other Protective Equipment:HEARING PROTECTION. ALUMINIZED APRONS DURING PROCESSING & OTHER APPROPRIATE PROTECTIVE CLOTHING. Work Hygienic P ractices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. Supplemental Safety and Health

EYE WASH STATIONS ARE RECOMMENDED.

HCC:N1 Boiling Pt:B.P. Text:NOT GIVEN Melt/Freeze Pt:M.P/F.P Text:1300-2600F Vapor Pres:NOT GIVEN Vapor Density:NOT GIVEN Spec Gravity:NOT GIVEN Solubility in Water:NEGATIVE Appearance and Odor:POWDER, NO ODOR Percent Volatiles by Volume:NIL

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Stability Indicator/Materials to Avoid:YES
OXIDIZERS, ACIDS, SULFUR, NI(NO3)2, COMBUSTIBLES. ORGANIC BINDER IS INCOMPATIBLE WITH ACIDS, BASES, ALDEHYDES, HALOGENS.
Stability Condition to Avoid:WATER, MOISTURE, HEAT, FLAME.
Hazardous Decomposition Products:OZONE AND NITRIC OXIDE ARE FORMED BY PLASMA FLAME. THE ORGANIC BINDER BURNING AT ELEVATED TEMPS MAY PRODUCE CO, PHENOL.

====== Disposal Considerations

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

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