

METCO INCORPORATED -- 63NS -- 3439-01-382-0968

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

Product ID:63NS

MSDS Date:02/15/1993

FSC:3439

NIIN:01-382-0968

MSDS Number: BYRWX

=== Responsible Party ===

Company Name:METCO INCORPORATED

Address:1101 PROSPECT AVENUE

City:WESTBURY

State:NY

ZIP:11590-2799

Country:US

Info Phone Num:516-334-1300

Emergency Phone Num:800-424-9300 CHEMTREC/202-483-7616

CAGE:HO565

=== Contractor Identification ===

Company Name:METCO INC, SUB OF THE P

ERKIN-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 INCORPORATED

Address:1101 PROSPECT AVENUE

Box:1006

City:WESTBURY

State:NY

ZIP:11590-2799

Country:US

Phone:516-334-1300

CAGE:HO565

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

Ingred Name:MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000

Fraction by Wt: 95-100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 PPM.

ACGIH TLV:10 PPM.

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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:INHALATION MAY CAUSE RESPIRATORY IRRITATION; BENIGN PNEUMOCONIOSIS. CONTACT MAY CAUSE SKIN AND EYE IRRITATION. INGESTION MAY CAUSE ANEMIA, LIVER AND KIDNEY DAMAGE. TARGET ORGANS: RESPIRATORY TRACT, KIDNEY, LIVER, BLOOD-FORMING ORGANS, SKIN, EYES.  
Explanation of Carcinogenicity:THIS POWDER CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.  
Effects of Overexposure:INGESTION-ANEMIA. EYE-IRRITATION. SKIN-IRRITATION. INHALATION-RESPIRATORY IRRITATION.  
Medical Condition Aggravated by Exposure:CONSULT A PHYSICIAN.

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

First Aid:EYES-FLUSH WITH WATER. SEE DOCTOR IF IRRITATION PERSISTS. SKIN-WASH WITH SOAP & WATER. INHALATION-EXPOSE TO FRESH AIR. CONSULT A PHYSICIAN IF IRRITATION OR RESPIRATORY DISTRESS PERSISTS. INGESTION-SEE A DOCTOR.

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

Flash Point:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:USE CLASS D FIRE EXTINGUISHER.  
Fire Fighting Procedures:TREAT AS A METALLIC FIRE.  
Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:VACUUM LOOSE POWDER ONLY WITH VACUUMS EQUIPPED WITH HEPA FILTRATION. WET WIPE AREA CLEAN. DO NOT DRY SWEEP. AVOID GENERATING DUST.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLES. STORE PRODUCT CONTAINERS IN COOL, DRY, WELL-VENTILATED AREA. STORE IN A MANNER TO MINIMIZE PUNCTURES & BREAKAGE.  
Other Precautions:AVOID INGESTION, INHALATION AND EXCESSIVE SKIN CONTACT. AVOID CONTACT

T OF POWDER WITH WATER & OXIDIZERS.

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

Respiratory Protection:RESPIRATOR APPROVED BY NIOSH FOR  
DUST/FUMES/MISTS SHOULD BE WORN AT ALL TIMES DURING THE THERMAL  
SPRAY PROCESS TO PROTECT OPERATOR FROM DUST AND FUMES.  
Ventilation:PRODUCT SHOULD BE USED WITH THE APPROPRIATE LOCAL EXHAUST  
VENTILATION PROVIDED.  
Protective Gloves:ALUMINIZED GLOVES DURING SPRAY PROCESS.  
Eye Protection:WELDING GOGGLES W/LENSES  
Other Protective  
Equipment:ALUMINIZED APRON DURING PLASMA SPRAYING.  
WEAR EAR PROTECTION IF THE OPERATOR IS SUBJECTED TO EXCESSIVE  
LEVELS OF NOISE.  
Work Hygienic Practices:MINIMIZE BREATHING DUST. CLEANSE SKIN  
THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS, AND AT THE END  
OF WORK PERIODS.  
Supplemental Safety and Health

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

HCC:N1  
Melt/Freeze Pt:M.P/F.P Text:4500F,2482C  
Spec Gravity:2.32  
Solubility in Water:NEGLIGIBLE  
Appearance  
and Odor:POWDER; NO ODOR.

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:OZONE AND NITRIC OXIDE ARE FORMED BY  
PLASMA FLAME. THIS ACTION IS INDEPENDENT OF THE METAL POWDER.

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

Waste Disposal Methods:EMPTY PRODUCT CONTAINERS, PRODUCT WASTE AND

CLEANING MEDIA SHOULD BE STORED AND DISPOSED OF ACCORDING TO LOCAL,  
STATE AND FEDERAL REGULATIONS.

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