

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

=== Co

ntractor 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 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 RE

C 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, KI DNEY, 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 Cond Aggravated by Exposure:CONSULT A PHYSICIAN.

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===== 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.

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===== 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.

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

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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.

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===== 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 IN

GESTION, INHALATION AND EXCESSIVE SKIN  
CONTACT. AVOID CONTACT 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 PR  
OCCESS.

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,24  
82C

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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