

METCO INCORPORATED -- 105NS/2.5 LB -- 3439-01-397-4868

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

Product ID:105NS/2.5 LB

MSDS Date:07/02/1992

FSC:3439

NIIN:01-397-4868

MSDS Number: BYRXZ

=== 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

C

AGE:HO565

=== 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 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:ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA 313)

CAS:1344-28-1

RTE

CS #:BD1200000  
Fraction by Wt: 95%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:SILICON DIOXIDE (SILICA GEL)  
CAS:112945-52-5  
RTECS #:VV7310000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:6 MG/M3  
ACGIH TLV:10 MG/M3

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic  
:INHALATION MAY CAUSE RESPIRATORY  
IRRITATION; BENIGN PNEUMOCONIOSIS; SILICOSIS. CONTACT MAY CAUSE  
SKIN AND EYE IRRITATION.  
Explanation of Carcinogenicity:THIS POWDER CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:EYE-IRRITATION. SKIN-IRRITATION.  
INHALATION-RESPIRATORY IRRITATION.  
Medical Cond Aggravated by Exposure:RESPIRATORY IRRITATION, DERMATITIS.

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===== First Aid Measures =====  
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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 =====  
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Flash Point:NONE  
Autoignition Temp:Autoignition Temp Text:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire

Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

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 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:V7

Melt/Freeze Pt:M.P/F.P Text:3500F,1927C

Spec Gravity:1.3-1.7

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WHITE 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 NITRI

C 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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