

N/P -- METCO 313NS -- 3439-01-380-4322

Product ID:METCO 313NS

MSDS Date:01/01/1987

FSC:3439

NIIN:01-380-4322

MSDS Number: BYCCZ

=== Responsible Party ===

CAGE:39918

=== 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

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

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 40% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 5.5% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:SILICA, CRYSTALLINE - QUARTZ

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: .50% MAX

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3 RD

UST
ACGIH TLV:0.1 MG/M3 RDUST;9192

Ingred Name:SILICA, CRYSTALLINE - FUSED
CAS:60676-86-0
RTECS #:VV7328000
Fraction by Wt: 1.0% MAX
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3 RDUST
ACGIH TLV:0.1 MG/M3 RDUST;9192

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
Fraction by Wt: 45.5% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 MG/M3 RDUST
ACGIH TLV:2 MG/M3 RDUST; 9192

Ingred Name:ORGANIC BINDER
Fraction by Wt: 9% %
Other REC Limits:NONE RECOMMENDED

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

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

===== First

Aid Measures =====

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

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

Flash Point:NONE

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

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 OPERATIONS. DO NOT SWEEP. AVOID GENERATING AIRBORNE DUST.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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 PROC

ESS TO PROTECT OPERATOR. RESPIRATORS

MAY ALSO BE WORN WHEN PRODUCT HANDLING GENERATES DUST.

Ventilation:USE ONLY WITH ADEQUATE LOCAL EXHAUST VENTILATION.

Protective Gloves:ALUMINIZED GLOVES DURING PROCESSING

Eye Protection:CHEMICAL WORKERS GOGGLES

Other Protective Equipment:HEARING PROTECTION. ALUMINIZED APRONS DURING PROCESSING & OTHER APPROPRIATE PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TO

ILET FACILITIES.

Supplemental Safety and Health

EYE WASH STATIONS ARE RECOMMENDED.

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

Hazardous Decomposition Products:OZONE AND NITRIC OXIDE ARE FORMED BY PLASMA FLAME.

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

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

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ormation is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.