

METCO INCORPORATED -- 70C-NS -- 3439-01-391-6523

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

Product ID: 70C-NS

MSDS Date:08/15/1989

FSC:3439

NIIN:01-391-6523

MSDS Number: BYRXP

=== 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:HO5

65

=== 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:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Other

REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9495
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MPPCF; Z-3
ACGIH TLV:2 MG/M3 RDUST; 9495

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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 PNEMOCONI
OSIS,
RESPIRATORY IRRITATION. CONTACT MAY CAUSE SKIN
IRRITATION/DERMATITIS/SENSITIZATION; EYE IRRITATION. INGESTION MAY
CAUSE IRRITATION OF GI TRACT.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:EYE-IRRITATION. SKIN-IRRITATION, ULCERS,
LESIONS. 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 =====

Extinguishing Media:USE CLASS D FIRE EXTINGUISHER.
Fire Fighting Procedures:TREAT AS METALLIC FIRE.
Unusual Fire/Explosion Hazard:MODERATE FIRE HAZARD IN

THE FORM OF DUST
WHEN EXPOSED TO FLAME.

===== 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

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

HCC:T6

Spec Gravity:2.8

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.

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===== 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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