

METCO INCORPORATED -- METCOLITE C. -- 5350-01-173-6245

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Product Identification  
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Product ID:METCOLITE C.

MSDS Date:01/18/1988

FSC:5350

NIIN:01-173-6245

MSDS Number: BGPRQ

=== 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:516-334-1300

CAGE:HO565

=== Contrac

tor 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

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Composition/Information on Ingredients  
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Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt:

Other REC

Limits:  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:ZIRCONIUM OXIDE  
CAS:7440-67-7  
RTECS #:ZH7070000  
Fraction by Wt:  
Other REC Limits:  
OSHA PEL:5 MG/M3/10 STEL (ZR)  
ACGIH TLV:5 MG/M3/10 STEL (ZR)

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt:  
Other REC Limits:  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA, CRYSTALLINE - FUSED  
CAS:60676-86-0  
RTECS #:VV7328000  
Fraction by Wt:  
OSHA PEL:SEE TABLE Z3  
ACGIH TLV:0  
.1 MG/M3 RDUST;9293

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

LD50 LC50 Mixture:  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SOME RCD OF LUNG DMG DUE TO INHAL  
FINELY DIV AL OXIDE PARTICLES.KNOWN AS SHAVERS DISEASE,COMPLICATED  
BY INHAL AIR W/ SILICA & OXIDES OF IRON-AL NOT REGARDED AS INDL  
POISON.INHAL AL POWDER,RPTD AS CAUS E OF PRELIM FIBROSIS.ZR NOT AN  
IMPORTANT INDL POISON,DEATH IN RABBITS CAUSED BY IV INJ OF 150  
MG/KG.AVOID INHAL SUP DATA  
Explanation of Carcinogenicity:N/A FPN  
Effects of Overexposure:EYE CONTACT:POSSIBLE IRRITATION.SKIN  
CONTACT:POSSIBLE DERMATITIS.INHALATION:RESPIRATORY  
IRRITATION.INGESTION:NA.

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

First Aid:EYE CONTACT:FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES .IF  
IRRITATION PERSISTS,CONSULT PHYSICIAN.SKIN CONTACT:WASH WITH SOAP  
AND W

ATER TO REMOVE MATERIAL.INHALATION:EXPOSE TO FRESH AIR.INGEST  
ION:N/A(MFR).INGEST:CALL MD IMMEDIATELY.

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

Flash Point:NONE

Extinguishing Media:USE CLASS D FIRE EXTINGUISHER.

Fire Fighting Procedures:TREAT AS A METALLIC FIRE.

Unusual Fire/Explosion Hazard:MODERATE FIRE HAZARD IN THE FORM OF DUST  
WHEN EXPOSED TO FLAME.

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

Spill Release Procedures:MATERIAL T

HAT IS SPILLED ONTO THE FLOOR MAY

BECOME AIRBORNE BY NORMAL PLANT ACTIVITY.GOOD HOUSEKEEPING BY  
SWEEPING THE AREA CLEAN IS NECESSARY TO REMOVE THESE MATERIALS FROM  
BECOMING A SOURCE OF AIR C ONTAMINATION.

Neutralizing Agent:

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

Handling and Storage Precautions:EYE PROTECTION IS RECOMMENDED WHEN  
HANDLING GRIT.

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

Respiratory Protection:A 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.NIOSH/MSHA  
APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:VENTILATION EQUIPMENT SHOULD BE USED TO CONTROL OR REDUCE  
AIRBORNE CONCENTRATIONS.

Protective Gloves:PROTECTIVE GLOVES RECOMMENDED.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:EYE WASH STATIONS ARE RECOMMENDED.

Work Hygienic Practices:OB

SERVE GOOD WORK HYGIENIC PRACTICES.

Supplemental Safety and Health

INGRED NO 1 ACGIH TLV:METAL & OXIDE.5MG/CUM.PYRO POWDERS,5MG/CUM  
WELDING FUMES. 2MG/CUM SOLUBLE SALTS.2 MG/CUM ALKYLS(NOC)CONDITIONS  
TO AVOID(STABILITY):GEN NEVER PERMIT DUST TO ENTER MOUTH,EYES  
,CUTS,SCRATCHES,OR OPEN WOUNDS.HLTH HAZ:OF ZR,CAUSE LUNG  
GRANULOMOS.TI SLIGHT LUNG FIBROSIS.

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

HCC:N1

Decomp Temp:Decomp Text:

Spec Gravity:1.9

pH:

Solub

ility in Water:NEG

Appearance and Odor:GRIT;NO ODOR.

Percent Volatiles by Volume:

Corrosion Rate:

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:AN ADEQUATE EXHAUST SYSTEM IS REQUIRED TO  
AVOID THE TOXIC OR NOXIOUS EFFECT OF DUST & FUMES WHICH MAY BE(SEE  
SUP DATA)

Conditions to Avoid Polymerization:

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

Waste Disposal Methods:CONS

ULT LOCAL,STATE AND FEDERAL REGULATIONS.

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