

TECHALLOY MARYLAND INC.,REID-AVERY DIV. -- MIL 6013 -- 3439-00-267-4787

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Product Identification  
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Product ID:MIL 6013

MSDS Date:11/01/1985

FSC:3439

NIIN:00-267-4787

MSDS Number: BDRJH

=== Responsible Party ===

Company Name:TECHALLOY MARYLAND INC.,REID-AVERY DIV.

Address:2310 CHESAPEAKE AVE.

City:BALTIMORE

State:MD

ZIP:21222-4012

Emergency Phone Num:301-633-9300

CAGE:59711

=== Contractor

Identification ===

Company Name:TECHALLOY COMPANY, INC.

Address:2310 CHESAPEAKE AVENUE

Box:City:BALTIMORE

State:MD

ZIP:21222

Country:US

Phone:410-633-9300; 800-638-1458

CAGE:59711

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Composition/Information on Ingredients  
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Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

OSHA PEL:15 MG/M3 TDUST

AC

GIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CELLULOSE (PAPER FIBER)

CAS:9004-34-6

RTECS #:FJ5691460

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9192

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:SILICA, AMORPHOUS, DUST

CAS:112945-52-5

RTECS #:VV7310000

OSHA PEL:6 MG/M3

ACGIH TL

V:10 MG/M3; 8990

Ingred Name:POTASSIUM TITANATE

CAS:12030-97-6

Ingred Name:SODIUM TITANATE

CAS:12034-34-3

Ingred Name:FELDSPAR

CAS:68476-25-5

Ingred Name:IRON OXIDE

CAS:1309-38-2

RTECS #:OM4800000

Ingred Name:GRAPHITE, NATURAL

CAS:7782-42-5

RTECS #:MD9659600

OSHA PEL:15 MPPCF RDUST

ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

In

gred Name:POTASSIUM SILICATE  
CAS:1312-76-1

Ingred Name:SODIUM SILICATE  
CAS:1344-09-8

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:MAY RESULT IN DISCOMFORT SUCH AS  
DIZZINESS,NAUSEA,DRYNESS OR IRRITATION OF NOSE,THROAT OR  
EYES,TIGHTNESS IN CHEST,FEVER & ALLERGIC REACTIONS. CHRONIC:MAY  
LEAD TO SIDEROSIS & IS BELIEVE  
D BY SOME INVESTIGATION TO AFFECT  
PULMONARY FUNCTIONS.  
Effects of Overexposure:SEE "HEALTH HAZARDS".

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

First Aid:REMOVE TO FRESH AIR,IR BREATHING IS DIFFICULT,ADMINISTER  
OXYGEN,IF BREATHING HAS STOPPED,APPLY ARTIFICIAL RESPIRATION; GET  
MEDICAL HELP.

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

Extinguishing Media:USE PROPER MEDIA FOR SURROUNDING FIRE.  
Fire Fighting Procedures:NEED TO WEAR  
PROTECTIVE EQUIPMENT.  
Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE  
COMBUSTIBLES.

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

Spill Release Procedures:SWEEP UP OR SCOOP UP.

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

Handling and Storage Precautions:USE EXHAUST SYSTEM TO CLEAR WELDING  
FUMES.

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATORY OR AIR

SUPPLIED

RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ADEQUATE GENERAL VENTILATION & LOCAL EXHAUST AT THE ARC.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:HELMET/FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING.

Supplemental Safety and Health

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance

and Odor:SOLID WIRE OR ROD.

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE STATED

Hazardous Decomposition Products:IT IS COMPLEX & CAN NOT BE CLASSIFIED EASILY,DEPENDING ON THE ELECTRODE USED,COATING & CONTAMINANTS IN THE ATMOSPHERE.

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

Waste Disposal Methods:DISCARD ANY PRODUCT RESIDUE,DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.

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