

TECHALLOY MARYLAND INC.,REID-AVERY DIV. -- MIL 6013 -- 3439-00-262-2663

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

Product ID:MIL 6013

MSDS Date:11/01/1985

FSC:3439

NIIN:00-262-2663

MSDS Number: BDPWY

=== 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 I

dentification ===

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

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

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

ACG

IH 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 TLV

: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

Ing

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

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

=====  
===== 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 BELIEVED  
BY SOME INVESTIGATION TO AFFECT  
PULMONARY FUNCTIONS.  
Effects of Overexposure:SEE "HEALTH HAZARDS".

=====  
===== 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.

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

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

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

Spill Release Procedures:SWEEP UP OR SCOOP UP.

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

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

=====  
===== 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.

Disclaimer (provided with this information by the compiling agencies):  
This information 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

ility for the suitability of this information to their particular situation.