View NSN Online: https://aerobasegroup.es/nsn/3439-00-262-2652

TECHALLOY MARYLAND INC REID-AVERY DIVISION -- E6011 TECHALLOY -- 3439-00-262-2652

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

Product ID:E6011 TECHALLOY

MSDS Date:09/01/1989

FSC:3439

NIIN:00-262-2652

MSDS Number: BJRMN === Responsible Party ===

Company Name: TECHALLOY MARYLAND INC REID-AVERY DIVISION

Address:2310 CHESAPEAKE AVE

City:BALTIMORE

State:MD

ZIP:21222-4012 Country:US

Info Phone Num:301-633-9300 OR

800-638-1458

Emergency Phone Num:301-633-9300 OR 800-638-1458

CAGE:59711

=== Contractor Identification ===

Company Name: KAMPI COMPONENTS CO., INC.

Address:210 RT 13

Box:721

City:BRISTOL

State:PA

ZIP:19007-3517

Country:US

Phone:215-736-2000

CAGE:7Z016

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 Fraction by Wt: 65-85%

Other REC Limits: NONE SPECIFIED

Ingred Name: MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000 Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 1-5%

Other REC Limits: NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7 RTECS #:XR2275000

Fraction by Wt:

1-15%

Other REC Limits: NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name: CELLULOSE (PAPER FIBER)

CAS:9004-34-6

RTECS #:FJ5691460 Fraction by Wt: 0.5-10%

Other REC Limits: NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3; 9192

Ingred Name: CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000 Fraction by Wt: 1-5%

Other REC Limits: NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name: SILICA GEL

CAS:112945-52-5

RTECS #:VV7310000 Fraction by Wt: 1-5%

Other REC Limits: NONE SPECIFIED

Ingred Name: POTASSIUM TITANATE

CAS:12030-97-6 Fraction by Wt: 0-3%

Other REC Limits: NONE SPECIFIED

Ingred Name:SODIUM TITANATE

CAS:12034-34-3 Fraction by Wt: 0-2%

Other REC Limits: NONE SPECIFIED

Ingred Name:POTASSIUM ALUMINUM SILICATE (FELDSPAR)

CAS:68476-25-5 Fraction by Wt: 0-3%

Other REC Limits: NONE SPECIFIED

Ingred Name: IRON OXIDE

CAS:1309-38-2

RTECS #:OM4800000 Fraction by Wt: 0-5%

Other REC Limits: NONE SPECIFIED

OSH

A PEL:5 MG/M3

ACGIH TLV:10 MG/M3 (AS FE203)

Ingred Name: GRAPHITE, NATURAL

CAS:7782-42-5

RTECS #:MD9659600 Fraction by Wt: 0-5%

Other REC Limits:NONE SPECIFIED 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 Fraction by Wt: 0-2%

Other REC Limits: NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name: POTASSIUM SILICATE

CAS:1312-76-1 Fraction b y Wt: 0-5% Other REC Limits: NONE SPECIFIED Ingred Name:SODIUM SILICATE CAS:1344-09-8 Fraction by Wt: 0-5% Other REC Limits: NONE SPECIFIED LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: ACUTE: OVEREXPOSURE TO WELDING FUMES, GASES OR DUST MAY RESULT IN DISCOMFORT. CHRONIC: O VEREXPOSURE CAN LEAD TO SIDEROSIS & IS BELIEVED TO AFFECT PULMONARY FUNCTION. Explanation of Carcinogenicity: RESPIRATORY CANCER FROM WELDING IS UNCONFIRMED. Effects of Overexposure: EXPOSURE TO WELDING FUMES MAY RESULT IN DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER. First Aid:REMOVE TO FRESH AIR, OBTAIN MEDICAL ATTENTION. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROOSS. ============ Fire Fighting Measures ========================= Unusual Fire/Explosion Hazard: WELDING ARCS & SPARKS CAN IGNITE

COMBUSTIBLES & FLAMMABLES. REFER TO AMERICAN NATIONAL STANDARD Z49.1 FOR FIRE PREVENTION DURING WELDING & ALLIED PROCEDURES.

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

Handling and Storage Precautions: NONE SPECIFIED BY MANUFACTURER. Other Precautio

ns:FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:USE WELD FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS. Ventilation:USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE Protective Gloves:WELDERS LEATHER GLOVES Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING. Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATIED CLOTHING BEFORE REUSE. Supplemental Safety and Health
WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THEPRESENCE OF CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.
======================================
HCC:V7
======================================
Stability Indicator /Materials to Avoid:YES NONE. Stability Condition to Avoid:NONE, UNLESS OTHERWISE SPECIFIED. Hazardous Decomposition Products:WELDING AND CUTTING OPERATION MAY INCLUDE OXIDES OF IRON & COMPLEX OXIDES OF MN, SI, & AL; CO, CO2, & OZONE.
========= Disposal Considerations =============
Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING ENVIRONMENT. DISCARD ANY PRODUCT RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, I/A/W FEDE

RAL, STATE & LOCAL REGULATIONS

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 for the suitability of this information to their particular situation.