https://msdsreport.com/msds/BKMPY

NICKLE BASED ALLOY STEEL

MSDS Number

msds report

BKMPY

National Stock Number

3439-00N014938

Product Name

NICKLE BASED ALLOY STEEL

Manufacturer

A M CASTLE AND CO

Product Identification

Product ID:NICKLE BASED ALLOY STEEL MSDS Date:01/03/1990 FSC:3439 NIIN:00N014938 MSDS Number: BKMPY

Responsible Party

A.M.CASTLE & CO.

3400 N. WOLF ROAD

FRANKLIN PARK , IL 60131

US

Emergency Phone: 312-455-7111 DAY 312-455-8986 NIGHT

Info Phone: 312-445-7111

Cage: 11045

Contractor

CASTLE A M AND CO

FRANKLIN PARK, IL 60131-1319

US

847-455-7111

Cage: 11045

Ingredients

YTTRIUM CAS: 7440-65-5 RTECS: ZG2980000 OSHA PEL1 MG/M3 ACGIH TLV: 1 MG/M3; 9192

WORKERS MELTING & WORKING ALLOYS CONTAINING RTECS: 99999992Z

ALUMINUM (SARA III) CAS: 7429-90-5 RTECS: BD0330000 OSHA PEL15MG/M3 DUST/5 FUME msds report

https://msdsreport.com/msds/BKMPY

ACGIH TLV: 10MG/M3 DUST; 9192

CHROMIUM (SARA III) CAS: 7440-47-3 RTECS: GB4200000 OSHA PEL1 MG/M3 ACGIH TLV: 0.5 MG/M3; 9192 EPA Report Quantity: 1 LB DOT Report Quantity: 1 LB

COBALT (SARA III) CAS: 7440-48-4 RTECS: GF8750000 OSHA PEL0.1 MG/M3;AS CO ACGIH TLV: 0.05 MG/M3;DUST 9293

COPPER (SARA III) CAS: 7440-50-8 RTECS: GL5325000 OSHA PEL0.1MG/M3 FUME/1 DUST ACGIH TLV: 0.2MG/M3 FUME; 9192 EPA Report Quantity: 5000 LBS DOT Report Quantity: 5000 LBS

IRON (FE) CAS: 7439-89-6 OSHA PEL10 MG/M3 (FE) ACGIH TLV: 5 MG/M3 (FE)

MANGANESE (SARA III) CAS: 7439-96-5 RTECS: 009275000 OSHA PEL(C) 5 MG/M3 DUST ACGIH TLV: 5 MG/M3 DUST 9293

MOLYBDENUM CAS: 7439-98-7 RTECS: QA4680000 OSHA PEL15 MG/M3 TDUST ACGIH TLV: 10 MG/M3; 9293



https://msdsreport.com/msds/BKMPY

•

NICKEL (SARA III) CAS: 7440-02-0 RTECS: QR5950000 OSHA PEL1 MG/M3 ACGIH TLV: 1 MG/M3; 9192

NIOBIUM (NB) CAS: 7440-03-1 OSHA PEL5 MG/M3 (MFR) ACGIH TLV: 5 MG/M3 (MFR)

SILICON CAS: 7440-21-3 RTECS: VW0400000 OSHA PEL15 MG/M3 TDUST ACGIH TLV: 10 MG/M3 TDUST; 9293

TANTALUM CAS: 7440-25-7 RTECS: WW5505000 OSHA PEL5 MG/M3 ACGIH TLV: 5 MG/M3; DUST; 9192

TITANIUM (TI) CAS: 7440-32-6 RTECS: XR1700000 OSHA PEL10 MG/M3 TDUST (MFR) ACGIH TLV: 10 MG/M3 TDUST (MFR)

TUNGSTEN CAS: 7440-33-7 RTECS: YO7175000 OSHA PEL5 MG/M3/ 10 STEL ACGIH TLV: 5 MG/M3/10 STEL;9192

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO FUMES/DUST MAY PRODUCE IRRIT OF EYES & RESP SYSTEM. INHAL OF HIGH CONC OF FRESHLY FORMED OXIDE FUMES OF IRON, MANGANESE & COPPER MAY CAUSE METAL FUME FEVER CHARACTERIZED BY A ME TALLIC TASTE IN THE MOUTH, DRYNESS & IRRIT OF THROAT & INFLUENZALIKE SYMPTOMS. CHRONIC INHAL OF (SEE EFTS OF OVEREXP) Explanation of Carcinogenicity:SEE EFTS OF OVEREXPOSURE. Effects of Overexposure:HLTH HAZ: HIGH CONC OF IRON OXIDE FUMES OR DUST



MAY LEAD TO A BENIGN PNEUMOCONIOSIS (SIDEROSIS). INHAL OF HIGH CONC OF FERRIC OXIDE MAY ENHANCE THE RISK OF LUNG CANCER DEVELOPMENT IN WORKERS EXPOSED T O PULMONARY CARCINOGENS. CHROMIUM & NICKEL & CERTAIN OF THEIR COMPOUNDS ARE LISTED IN THE 5TH ANNUALREPORT (SUPP DATA)

•

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:IF EXPOSED TO EXCESSIVE LEVELS OF METAL FUMES, REMOVE TO FRESH AIR, SEEK MEDICAL AID IMMEDIATELY. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. INGEST: CALL MD IMMEDIATELY . INHAL: REMOVE TO F RESH AIR. SUPPORT BREATHING (GIVE O*2/ARTF RESP).

Fire Fighting

Flash Point:NONE Extinguishing Media:NOT APPLICABLE. Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . STEEL PRODUCTS IN THE SOLID STATE PRESENT NO FIRE OR EXPLOSION HAZARD. Unusual Fire/Explosion Hazard:NOT APPLICABLE.

Accidental Release

Spill Release Procedures:NOT APPLICABLE. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER. Other Precautions:IN WELDING, PRECAUTIONS SHOULD BE TAKEN FOR AIRBORNE CONTAMINANTS WHICH MAY ORIGINATE FROM COMPONENTS OF THE WELDING ROD. ARC OR SPARK GENERATED WHEN WELDING OR BURNING COULD BE A SOURCE OF IGNITION F OR COMBUSTIBLE AND FLAMMABLE MATLS.

Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED DUST AND FUME, RESPIRATOR SHOULD BE USED TO AVOID EXCESSIVE INHALATION OF PARTICULATES WHEN EXPOSURE EXCEEDS TLV'S. Ventilation:LOCAL EXHST VENT SHOULD BE UTILIZED WHEN WELDING, BURNING, SAWING, BRAZING, GRINDING/MACHINING WHEN EXPOS EXCEEDS TLV'S. Protective Gloves: NONE SPECIFIED BY MANUFACTURER. Eye Protection: CHEMICAL WORKERS GOGGLES . Other Protective Equipment: OTHER PROTECTIVE EQUIPMENT SHOULD BE UTILIZED AS REQUIRED BY THE WELDING STANDARDS. Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER. Supplemental Safety and Health EFTS OF OVEREXP:ON CARCINOGENS, AS PREPARED BT NATL TOXICOLOGY PROGRAM(NTP)(NICKEL-2,CHROMIUM-1)IARC-NICKEL & CHROMIUM LIST 1.EXPOS TO HIGH CONC OF DUST & FUMES CAN CAUSE SENSIT DERMAT, INFLAM &/OR ULCE RATION OF UPPER RESP TRACT & POSSIBLY CANCER OF NASAL PASSAGES & LUNGS.RECENT EPIDEMIOLOGICAL STUDIES OF (SEE ING 15)

Chemical Properties

HCC:N1 Melt/Freeze Pt:M.P/F.P Text:>2300F Spec Gravity: 7 Appearance and Odor:GRAY-BLACK, ODORLESS.

Stability

Stability Indicator/Materials to Avoid:YES REACTS WITH STRONG ACIDS TO PRODUCE HYDROGEN GAS. Stability Condition to Avoid:NOT APPLICABLE. Hazardous Decomposition Products:METALLIC DUST OR FUMES MAY BE PRODUCED DURING WELDING, BURNING, GRINDING AND POSSIBLY MACHINING.

Disposal

Waste Disposal Methods: ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.



https://msdsreport.com/msds/BKMPY

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.