

ER 347

MSDS Number

BMBXB

National Stock Number

3439-01-066-1585

Product Name

ER 347

Manufacturer

HOBART BROTHERS CO

Product Identification

Product ID:ER 347
MSDS Date:01/01/1988
FSC:3439
NIIN:01-066-1585
MSDS Number: BMBXB

Responsible Party

HOBART BROTHERS CO
600 W MAIN ST HOBART SQUARE
TROY , OH 45373
US
Emergency Phone: 513-332-4000
Info Phone: 513-332-4000
Cage: 28835

Contractor

HOBART BROTHERS CO
TROY, OH 45373
US
513-339-6000
Cage: 28835

Ingredients

IRON
CAS: 7439-89-6
RTECS: NO4565500

MANGANESE (SARA III)
CAS: 7439-96-5
RTECS: OO9275000
OSHA PEL(C) 5 MG/M3 DUST
ACGIH TLV: 5 MG/M3 DUST 9293

NICKEL (SARA III)
CAS: 7440-02-0
RTECS: QR5950000

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 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

SILICON

CAS: 7440-21-3

RTECS: VW0400000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

MOLYBDENUM

CAS: 7439-98-7

RTECS: QA4680000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9293

NIOBIUM/COLUMBIUM

CAS: 7440-03-1

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE-WELDING FUMES MAY CAUSE DISCOMFORT,DIZZINESS,NAUSEA.EYE:MAY BE BURNED.SKIN:CAN FORM

ULCER.INHALE:FUME WITH CHROMIUM(VI) MAY CAUSE LUNG

DAMAGE.ORAL:CHROMIUM(VI) SALTS CAN CAUSE SEVERE INJURY/DEAT

H.NICKEL CAUSES NAUSEA,FEVER.CHRONIC-MAY LEAD TO SIDEROSIS(IRON DEPOSIT IN LUNGS) WHICH MAY AFFECT PULMONARY FUNCTIONS.

Explanation of Carcinogenicity:THIS MATERIAL CONTAINS NICKEL, CADMIUM AND CHROMIUM(VI).

Effects of Overexposure:WELDING FUMES MAY CAUSE DISCOMFORT, DIZZINESS, NAUSEA. MAY BURN EYES. CAN FORM SKIN ULCER. FUME WITH CHROMIUM(VI) MAY CAUSE LUNG DAMAGE. INGESTION OF CHROMIUM(VI) SALTS CAN CAUSE SEVERE INJURY/DEATH. NICKEL CAUSES NAUSEA, FEVER.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE WELDING FUMES.

First Aid

First Aid:GET MEDICAL CARE IF NEEDED.EYES:FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS OPEN.SKIN:WASH THOROUGHLY WITH SOAP & WATER.INHALATION:REMOVE TO FRESH AIR.PROVIDE CPR IF NEEDED.INGESTION:CALL A DOCTOR .

Fire Fighting

Flash Point:NONE

Extinguishing Media:THIS ALLOY IS NONCOMBUSTIBLE. TO EXTINGUISH A METAL POWDER FIRE, USE DRY SAND, DRY GRAPHITE OR OTHER CLASS "D" POWDER.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE. IN CONTACT WITH ACIDS, HYDROGEN GAS WILL BE FORMED WHICH IS FLAMMABLE AND EXPLOSIVE.

Accidental Release

Spill Release Procedures:WEAR RESPIRATORY EQUIPMENT DURING CLEANUP. USE EQUIPMENT THAT KEEPS MATERIAL FROM BECOMING AIRBORNE. TO MINIMIZE DUST GENERATION I.E. WET MOP, HEPA VACUUM.

Handling

Handling and Storage Precautions:STORAGE-KEEP MATERIAL IN CLOSED CONTAINERS AWAY FROM MOISTURE,STRONG OXIDIZERS & ACIDS.

Other Precautions:NO FOOD OR SMOKING IN WORK AREAS. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING FUMES AND VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

Exposure Controls

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW PEL, TLV OR STEL.

Ventilation:LOCAL EXHAUST AT THE ARC (OR FLAME), OR BOTH, TO KEEP THE FUMES AND GASES BELOW PEL'S, TLV'S OR STEL'S IN BREATHING ZONE

Protective Gloves:WELDER'S GLOVE

Eye Protection:PROTECTIVE FACE SHIELD

Other Protective Equipment:EYE WASH STATION, APRONS, HATS, ARM & SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.

Work Hygienic Practices:WEAR HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.

Supplemental Safety and Health

Chemical Properties

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID WIRE OR ROD

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS AND ACIDS

Stability Condition to Avoid:FLAMES

Hazardous Decomposition Products:METAL OXIDES. DECOMPOSITION PRODUCTS INCLUDE THOSE ORIGINIATING FROM INGREDIENTS + THOSE FROM THE BASE METAL & COATING.

Disposal

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

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