

447A

MSDS Number

BWMQW

National Stock Number

3439-01-046-0348

Product Name

447A

Manufacturer

HOBART BROTHERS CO

Product Identification

Product ID:447A

MSDS Date:02/01/1994

FSC:3439

NIIN:01-046-0348

MSDS Number: BWMQW

Responsible Party

HOBART BROTHERS CO

600 W MAIN ST HOBART SQUARE

TROY , OH 45373

US

Emergency Phone: 513-339-6000

Info Phone: 513-339-6000

Cage: 28835

Contractor

HOBART BROTHERS CO

TROY, OH 45373

US

513-339-6000

Cage: 28835

Ingredients

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: 70-90%

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: 1-5%

OSHA PELC 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9394

ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA III)

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9394

CELLULOSE (PAPER FIBER)

CAS: 9004-34-6

RTECS: FJ5691460

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9394

MICA - SILICATES (< 1% CRYSTALLINE SILICA)

CAS: 12001-26-2

RTECS: VV8760000

Fraction By Weight:

OSHA PEL20 MPPCF; Z-3

ACGIH TLV: 3 MG/M3 RDUST; 9394

SILICA, CRYSTALLINE - QUARTZ

CAS: 14808-60-7

RTECS: VV7330000

Fraction By Weight:

OSHA PELSEE TABLE Z-3

ACGIH TLV: 0.1 MG/M3 RDUST; 9394

TITANIUM DIOXIDE

CAS: 13463-67-7

RTECS: XR2275000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9394

MAGNESITE

CAS: 546-93-0

RTECS: OM2470000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9394

SILICATE BINDERS

CAS: 10006-28-7

Fraction By Weight:

Hazards

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

Reports of Carcinogenicity:NTP:NO IARC:NO

Health Hazards Acute and Chronic:WELDING CONSUMABLES ARE NON-REACTIVE, NON-FLAMMABLE, NON-EXPLOSIVE, AND ESSENTIALLY NON-HAZARDOUS UNTIL USED IN A WELDING OPERATION. WELDING HAZARDS INCLUDE INHALATION OF FUMES, THERMAL BURNS, RADIAT ION BURNS AND ELECTRIC SHOCK.

CHRONIC:EXCESS LEVELS MAY CAUSE BRONCHIAL ASTHMA, LUNG FIBROSIS, PNEUMOCONIOSIS.

Explanation of Carcinogenicity:WELDING FUMES MUST BE CONSIDERED AS POSSIBLE CARCINOGENS UNDER OSHA (29 CFR 1910.1200); PER MANUFACTURER.

Effects of Overexposure:WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA OR DRYNESS OR IRRITATION NOSE, THROAT OR EYES.

Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY DISFUNCTION MAY BE AGGRAVATED BY FUME INHALATION.

First Aid

First Aid:CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS. EYES AND SKIN- IF IRRITATION OR FLASH BURNS DEVELOP AFTER EXPOSURE, CONSULT A PHYSICIAN.

Fire Fighting

Flash Point:NONFLAMMABLE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

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:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. WELDING ARCS AND SPARKS CAN IGNITE COMBUSTIBLES AND FLAMMABLE PRODUCTS.

Accidental Release

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES AND PLACE IN SUITABLE DOT APPROVED CONTAINERS. AVOID INHALATION AND SKIN EXPOSURE.

Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:NO SPECIAL HANDLING IS REQUIRED. STORE AS DIRECTED BY MFR.

Other Precautions:SEE ANSI STANDARD Z49.1-1983. READ "SAFETY IN WELDING AND CUTTING" FROM AMERICAN WELDING ASSOCIATION, 550 N.W. JEUNE RD., MIAMI,FL 33135.

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA 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 PEL/TLV.

Ventilation:USE LOCAL 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 APPR.GOGGLES/FACE SH'LD W/ANSI 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:USE GOOD INDUSTRIAL HYGIENE. WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

USE INDUSTRIAL HYGIENE MONITORING TO ENSURE THAT YOUR USE OF THIS MATERIAL DOES NOT CREATE EXPOSURES WHICH EXCEED PEL/TLV.

Chemical Properties

HCC:N1

Stability

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:WELDING AND CUTTING OPERATION MAY PRODUCE OXIDES OF THE METALS. WELDING FUMES AND GASES CANNOT BE CLASSIFIED SIMPLY.

Disposal

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS. RECLAIM METALS IF APPROPRIATE.

=====

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.