

HOBART 418

MSDS Number

BNKCR

National Stock Number

3439-01-039-3494

Product Name

HOBART 418

Manufacturer

HOBART BROTHERS CO

Product Identification

Product ID:HOBART 418

MSDS Date:02/01/1992

FSC:3439

NIIN:01-039-3494

MSDS Number: BNKCR

Responsible Party

HOBART BROTHERS CO

600 W MAIN ST

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

Fraction By Weight: 60-100%

OSHA PEL5 MG/CUM RESPIRABLE

ACGIH TLV: 10 MG/CUM

MANGANESE, MN COMPOUNDS

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: 1-5%

OSHA PEL5 MG/CUM (DUST)

ACGIH TLV: 5 MG/CUM (DUST)

CALCIUM CARBONATE, DOMOLITE, LIMESTONE, WHITING

CAS: 1317-65-3

RTECS: EV9580000

Fraction By Weight: 5-10%

OSHA PEL15 MG/CUM (DUST)

ACGIH TLV: 10 MG/CUM (DUST)

SILICATE BINDERS (SODIUM SILICATE) *93-1*

CAS: 1344-09-8

Fraction By Weight: 1-5%

ACGIH TLV: 10 MG/CUM

CALCIUM FLUORIDE, FLUORSPAR, CALCIUM DIFLUORIDE, IRTRAN 3,

CAS: 7789-75-5

RTECS: EW1760000

Fraction By Weight: 5-10%

OSHA PEL2.5 MG/CUM (AS F)

ACGIH TLV: 2.5 MG/CUM (AS F)

AMORPHOUS FUSED SILICA, SILICON DIOXIDE, QUARTZ, SILICON

CAS: 60676-86-0

RTECS: VV7328000

Fraction By Weight: 1-5%

OSHA PEL10 MG/CUM (RESP)

ACGIH TLV: 0.1 MG/CUM (RESP) IC

POTASSIUM SILICATE, POTASSIUM METASILICATE *93-1*

CAS: 1312-76-1

Fraction By Weight: 3-7%

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight: 0.5-1.5%

OSHA PEL10 MG/CUM

ACGIH TLV: 10 MG/CUM

Hazards

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

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

Health Hazards Acute and Chronic:INHALATION: SIDEROSIS, PULMONARY

EDEMA, BRONCHITIS. MANGANESE CAN CAUSE METAL FUME FEVER. ARC RAYS

CAN INJURE/BURN SKIN & EYES. LONG TERM EXPOSURE: BRONCHIAL ASTHMA,

LUNG FIBROSIS, SIDEROSIS, MANGANIS M, OSTEOPOROSIS, MOTTILING OF TEETH, DERMATITIS, PNEUMONIA.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: DISCOMFORT, DIZZINESS, NAUSEA, DRYNESS, NOSE/THROAT/EYES IRRITATION, NASAL SEPTUM PERFORATION, MUSCLE WEAKNESS, TREMORS. METAL FUME FEVER: CHILLS, FEVER, UPSET STOMACH, VOMITING, THROAT IRRITATION, BODY ACHES. SKIN: IRRITATION,ULCERATION.

First Aid

First Aid:EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS. EYES/SKIN: IF IRRITATION OR FLASH BURNS DEVELOP AFTER EXPOSURE, CONSULT A PHYSICIAN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Unusual Fire/Explosion Hazard:NON FLAMMABLE. WELDING ARC & SPARKS CAN IGNITE COMBUSTIBLES.

Handling

Handling and Storage Precautions:ELECTRIC SHOCK CAN KILL. TRAIN THE WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS, TO INSULATE HIMSELF FROM WORK/GROUND, & TO KEEP HIS HEAD OUT OF FUMES.

Other Precautions:ONE RECOMMENDED WAY TO DETERMINE THE COMPOSITION & QUANTITY OF FUMES & GASES TO WHICH WORKERS ARE EXPOSED IS TO TAKE AN AIR SAMPLE INSIDE THE WELDER'S HELMET IF WORN OR IN THE WORKER'S BREATHING ZONE.

Exposure Controls

Respiratory Protection:USE NIOSH APPROVED OR EQUIVALENT/AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE.

Ventilation:LOCAL EXHAUST AT THE ARC TO KEEP Protective Gloves:WELDER'S

Eye Protection:HELMET, FACE SHIELD W/FILTER LENS 14

Other Protective Equipment:ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTION AS WELL AS DARK NONSYNTHETIC CLOTHING

Work Hygienic Practices:READ & UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS & THE PRECAUTIONARY LABEL ON THE PRODUCT.

Supplemental Safety and Health

WELDING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION & QUALITY OF BOTH ARE DEPENDENT UPON THE METAL BEING WELDED, PROCESS, PROCEDURES & ELECTRODES USED. WEAR HAND, HEAD & BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS & ELECTRICAL SHOCK.

Stability

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:CO, CO2, OZONE, NITROGEN OXIDES, OXIDES OF IRON, MANGANESE, SILICON, TITANIUM, SODIUM, POTASSIUM & FLUORIDES.

Disposal

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

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