View NSN Online: https://aerobasegroup.co.il/nsn/3439-01-039-3494

HOBART BROTHERS CO -- HOBART 418 -- 3439-01-039-3494

Product ID:HOBART 418 MSDS Date:02/01/1992

FSC:3439

NIIN:01-039-3494

MSDS Number: BNKCR === Responsible Party ===

Company Name: HOBART BROTHERS CO

Address:600 W MAIN ST

City:TROY State:OH ZIP:45373 Country:US

Info Phone Num:513-332-4000

Emergency Phone Num:513-332-4000

CAGE:28835

=== Contractor Identification

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Company Name: HOBART BROTHERS CO Address: 600 W MAIN ST HOBART SQUARE

Box:City:TROY

State:OH ZIP:45373 Country:US

Phone:513-339-6000

CAGE:28835

======= Composition/Information on Ingredients ========

Ingred Name:IRON CAS:7439-89-6 RTECS #:NO4565500

Fraction by Wt: 60-100%

OSHA PEL:5 MG/CUM RESPIRABLE

ACGIH TLV:10 MG/CUM

Ingred Name: MANGANESE, MN COMPOUNDS

CAS:7439-96-5

RTECS #:009275000 Fraction by Wt: 1-5%

OSHA PEL:5 MG/CUM (DUST) ACGIH TLV:5 MG/CUM (DUST)

Ingred Name:CALCIU

M CARBONATE, DOMOLITE, LIMESTONE, WHITING

CAS:1317-65-3

RTECS #:EV9580000 Fraction by Wt: 5-10%

OSHA PEĹ:15 MG/CUM (DUST) ACGIH TLV:10 MG/CUM (DUST)

Ingred Name:SILICATE BINDERS (SODIUM SILICATE) *93-1*

CAS:1344-09-8

Fraction by Wt: 1-5% ACGIH TLV:10 MG/CUM

Ingred Name: CALCIUM FLUORIDE, FLUORSPAR, CALCIUM DIFLUORIDE, IRTRAN 3,

LIPARITE

CAS:7789-75-5

RTECS #:EW1760000 Fraction by Wt: 5-10%

Other REC Limits: 2.5 MG/CUM (AS F)

OSHA PEL:2.5 MG/CUM (AS F) ACGIH TLV:2.5 MG/CUM (AS F)

Ingred

Name: AMORPHOUS FUSED SILICA, SILICON DIOXIDE, QUARTZ, SILICON INTENTED CHANGE (IC)

CAS:60676-86-0

RTECS #:VV7328000 Fraction by Wt: 1-5%

Other REC Limits:30 MG/CUM TOTAL DUST

OSHA PEL:10 MG/CUM (RESP) ACGIH TLV:0.1 MG/CUM (RESP) IC

Ingred Name: POTASSIUM SILICATE, POTASSIUM METASILICATE *93-1*

CAS:1312-76-1

Fraction by Wt: 3-7%

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 0.5-1.5% OSHA PEL:10 MG/CUM ACGIH TLV:10 MG/CUM

====== Hazards Identificat

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, MOTTLING OF TEETH. DERMATITIS. PNEUMONIA.

Explanation of Carcinogenicity:NONE

Effects of Overexp

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

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First Aid:EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS. EYES/SKIN: IF IRRITATION OR FLASH BURNS DEVELOP AFTER EXPOSURE, CONSUL

T A PHYSICAN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

======= H	Handling and Storage	
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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/Personal Protection =======

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

Ventilation: LOCAL EXHAUST AT THE ARC TO KEEP