

HOBART BROTHERS CO -- HOBART 14A -- 3439-00-759-2198

=====  
===== Product Identification =====

Product ID:HOBART 14A  
MSDS Date:02/01/1992  
FSC:3439  
NIIN:00-759-2198  
MSDS Number: BKHRH  
=== 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 ==

=  
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 #:OO9275000  
Fraction by Wt: 1-5%  
OSHA PEL:5 MG/CUM (DUST)  
ACGIH TLV:5 MG/CUM (DUST)

Ingred Name:TITANIUM

DIOXIDE, TIO2  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 5-10%  
OSHA PEL:15 MG/CUM  
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:CELLULOSE  
CAS:9004-34-6  
RTECS #:FJ5691460  
Fraction by Wt: 1-5%  
OSHA PEL:5 MG/CUM  
ACGIH TLV:10 MG/CUM (DUST)

Ingred Name:AMORPHOUS FUSED SILICA, SILICON DIOXIDE, QUARTZ, SILICON  
INTENDED 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: 1-5%

=====  
===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE/SKIN/RESPIRATORY IRRITANT.  
MANGANESE MAY CAUSE METAL FUME FEVER. LONG TERM EXPOSURE:  
RE: BRONCHIAL  
ASTHMA, LUNG FIBROSIS, SIDEROSIS, MANGANISM.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:INHALATION: DISCOMFORT, DIZZINESS, NAUSEA,  
DRYNESS, NOSE/THROAT/EYE IRRITATION, MUSCLE WEAKNESS, TREMORS.  
METAL FUME FEVER: CHILLS, FEVER UPSET STOMACH, VOMITING, THROAT  
IRRITATION, BODY ACHES.

=====  
===== First Aid Measures =====

First Aid:EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED  
CROSS. EYES/SKIN: IF IRRIT

ATION OR FLASH BURNS DEVELOP AFTER  
EXPOSURE, CONSULT A PHYSICIAN. OBTAIN MEDICAL ATTENTION IN ALL  
CASES.

===== Fire Fighting Measures =====

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

===== Handling and Storage =====

Handling and Storage Precautions:ELECTRIC SHOCK CAN KILL. TRAIN THE  
WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS, TO INSULATE HIMSELF FROM  
WORK/GR

OUND, & 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