

SHAPE PRODUCTS CO -- MANGANOUS SULFATE, MONOHYDRATE -- 6810-00-270-3263

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

Product ID: MANGANOUS SULFATE, MONOHYDRATE

MSDS Date: 11/08/1990

FSC: 6810

NIIN: 00-270-3263

MSDS Number: BRRJX

=== Responsible Party ===

Company Name: SHAPE PRODUCTS CO

Address: 1127- 57TH AVE

City: OAKLAND

State: CA

ZIP: 94621

Country: US

Info Phone Num: 415-534-1186

Emergency Phone Num: 415-534-1186

CAG

E: DO984

=== Contractor Identification ===

Company Name: SHAPE PRODUCTS

Address: 1127 57TH AVE.

Box: City: OAKLAND

State: CA

ZIP: 94621-4427

Country: US

Phone: 510-534-1186 OR 800-444-0015

CAGE: 3D869

Company Name: SHAPE PRODUCTS CO.

Address: 1127 57TH AVE.

City: OAKLAND

State: CA

ZIP: 94621-4427

Country: US

Phone: 415-534-1186

CAGE: DO984

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

Ingred Name: MANGANESE(II)SULFATE, MONOHYDRATE

CAS: 10034-96-5

Fraction by Wt: 100%

Other REC Limits: NONE SP

ECIFIED  
OSHA PEL:C, 5 MG(MN)/M3  
ACGIH TLV:5 MG(MN)/M3 DUST9293

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: IRRITATION. SKIN: IRRITATION.  
INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION, HEADACHE, NAUSEA,  
DIZZINESS, FATIGUE, AND WEAKNESS IN ARMS AND LEGS. INGESTION:  
  
HARMFUL IF SWALLOWED.  
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION. INHALATION:  
CENTRAL NERVOUS SYSTEM DEPRESSION, HEADACHE, NAUSEA, DIZZINESS,  
FATIGUE, AND WEAKNESS IN ARMS AND LEGS. INGESTION: HARMFUL IF  
SWALLOWED.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION  
PERSISTS, GET MEDICAL ATTENTION. SKIN: WASH ARE  
A WITH SOAP AND  
WATER. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR.  
IF BREATHING DIF FICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.  
INGESTION: INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:NONE  
Unusual Fire/Explosion Hazard:NONE

===== Accidental Release Measures =====

Spill Release Procedures  
:WEAR SUITABLE PROTECTIVE CLOTHING. CAREFULLY  
SWEEP UP AND COLLECT IN PROPER CONTAINER FOR DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:ANY GENERAL CHEMICAL STORAGE AREA IS  
SUITABLE FOR STORAGE. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER  
TIGHTLY CLOSED.  
Other Precautions:NONE.

===== Exposure Controls/Personal Protection =====

Respiratory Protec

tion:NONE REQUIRED WHERE ADEQUATE VENTILATION  
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, USE AN  
APPROPRIATE RESPIRATOR OR DUST MASK.  
Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP  
FUME AND DUST LEVELS AS LOW AS POSSIBLE.  
Protective Gloves:RUBBER GLOVES ARE RECOMMENDED.  
Eye Protection:SAFETY GLASSES WITH SIDESHIELDS.  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR  
R SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:N1  
Spec Gravity:2.957  
Solubility in Water:COMPLETE  
Appearance and Odor:PALE RED, SLIGHTLY EFFLORESCENT POWDER.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:OXIDES OF SULFUR.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE  
AND FEDERAL REGULATIONS.

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