

CITY CHEMICAL CORP -- MANGANOUS SULFATE -- 6810-00-926-9136

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Product Identification
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Product ID:MANGANOUS SULFATE

MSDS Date:07/01/1987

FSC:6810

NIIN:00-926-9136

MSDS Number: BJJGD

=== Responsible Party ===

Company Name:CITY CHEMICAL CORP

Address:132 WEST 22ND ST

City:NEW YORK

State:NY

ZIP:10011-2418

Country:US

Info Phone Num:212-929-2723

CAGE:83628

=== Contractor Identification ===

Comp

any Name:CITY CHEMICAL CORPORATION

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Phone:201-653-6900/800-248-2436

CAGE:83628

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Composition/Information on Ingredients
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Ingred Name:MANGANESE SULFATE MONOHYDRATE (PEL & TLV EXPRESSED FOR MN
CMPDS IN DUST FORM)

CAS:7785-87-7

Fraction by Wt: 86%

OSHA PEL:5 MG/M3 C

ACGIH TLV:5 MG/M3 C

Ingred Name:AMMONIUM SULFATE (SOLUTION) (SARA III)

CAS:7783-20-2

RTECS #:BS4500000

Fraction by Wt: 13%

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE IRRIT OF SKIN, EYES,
& NASAL MUC MEMB. SOME MANGANESE COMPOUNDS CAUSE ACUTE & CHRONIC
TOX BY INHAL, HOWEVER, THERE ARE NO KNOWN RPTS OF SUCH EFTS FROM
MANGANESE SULFATE. CHRONIC: SUSPECTED CARCINOGEN. MANGANESE

POISONING FROM EXCESS INHAL COULD POSS IMPAIR CNS. SYSTEMIC
POISONING FROM CHRONIC INGEST.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:MANGANESE IS A SUSPECTED CARCINOGEN.

Medical Cond Aggravated by Exposure:ALLERGIES, DERMATITIS, NERVOUS
DISORDERS.

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First Aid Measures
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First Aid:EYE: WASH WITH COPIOUS AMTS OF WATER (UNDER LIDS) FOR 15
MINUTES. SEE MD FOR IRRIT. SKIN: WASH WITH SOAP & PLENTY OF WATER.
SEE M

D IF IRRIT OCCURS. INHAL: REMOVE TO FRESH AIR. GET MD FOR ANY
BREATHING DIFFICULTY. INGEST: GIVE LARGE QUANTITIES OF WATER OR
MILK. GET MEDICAL EMERGENCY ASSISTANCE IF LARGE QUANTITY WAS
SWALLOWED.

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Fire Fighting Measures
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Extinguishing Media:PROD IS NONFLAMMABLE. USUAL MEDIA FOR SURROUNDING
FIRE.

Fire Fighting Procedures:IF IT CAN BE DONE SAFELY, REMOVE CONTAINERS
FROM FIRE AREA, OR USE NIOSH/MSHA APPROVED SCBA.

Unusual Fire/Exp

losion Hazard:WHEN HEATED TO DECOMPOSITION, IT EMITS
HIGHLY TOXIC FUMES OF SO*X.

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Accidental Release Measures
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Spill Release Procedures:VENTILATE AREA. COLLECT AND CONTAIN FOR
DISPOSAL OR SALVAGE. AVOID CONTACT, USE RESPIRATORY PROTECTION TO
AVOID INHALATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:STORE IN DRY AREA. PROTECT FROM

EXCESSIVE HEAT. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT BREATHE DUST.

Other Precautions: MAINTAIN GOOD HOUSEKEEPING PRACTICES. USE SAME PRECAUTIONS FOR HANDLING EMPTY CONTAINERS OR BAGS.

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

Respiratory Protection: FOR HIGH CONCENTRATIONS OF DUST, WEAR NIOSH/MSHA APPROVED DUST RESPIRATOR.

Ventilation: LOCAL EXHAUST RECOMMENDED. MECHANICAL (GENERAL): MAINTAIN TLV.

Protective Gloves: RUBBER

Eye Protection: CH

EMICAL WORKERS GOGGLES

Other Protective Equipment: CLEAN WORK COVERALLS.

Work Hygienic Practices: EYE WASH FACILITIES. DO NOT WEAR CONTACT LENSES. WASH THOROUGHLY AFTER USING PROD .

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Boiling Pt: B.P. Text: 1562F, 850C

Melt/Freeze Pt: M.P/F.P Text: 1400F, 760C

Decomp Temp: Decomp Text: 1562F, 850C

Spec Gravity: 3.0

Solubility in Water: APPRECIABLE

Appearance and Odor: LIGHT

GREY-PINK POWDER, NO ODOR

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

Stability Indicator/Materials to Avoid: YES

ALUMINUM, MAGNESIUM. OXIDIZING MATERIALS CAN CAUSE A REACTION.

Stability Condition to Avoid: STORE DRY. WATER OR CRYSTALLIZATION WILL BE RELEASED WHEN EXPOSED TO TEMPERATURES ABOVE 300F.

Hazardous Decomposition Products: HIGHLY TOXIC FUMES OF SO*X. DECOMPOSES TO OXIDES OF MANGANESE AND SULFUR.

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

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Waste Disposal Methods: REMOVE TO APPROVED LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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