

FLAMEMASTER CORP. -- CS 3204 -- 8030-00-753-5004

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

Product ID:CS 3204

MSDS Date:05/02/1989

FSC:8030

NIIN:00-753-5004

MSDS Number: BJWBB

=== Responsible Party ===

Company Name:FLAMEMASTER CORP.

Address:11120 SHERMAN WAY

City:SUN VALLEY

State:CA

ZIP:91352

Info Phone Num:(818) 982-1650

Emergency Phone Num:(818) 982-1650

CAGE:13422

=== Contractor Identification ===

Company Name:FLAMEMASTER CORPORATION

Address:11120 SHERMAN WAY

Box:

City:SUN VALLEY

State:CA

ZIP:91352-4949

Country:US

Phone:818-982-1650

CAGE:13422

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

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 65%

OSHA PEL:5 MG/CUM

ACGIH TLV:5 MG/CUM (MN)

===== 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:SKIN/EYE: I

IRRITATION. INHALATION:

IMPAIRMENT OF CENTRAL NERVOUS SYSTEM, SLUGGISHNESS, SLEEPLESSNESS,
&/OR WEAKNESS IN THE LEGS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SKIN/EYE: IRRITATION. INHALATION: IMPAIRMENT OF
CENTRAL NERVOUS SYSTEM, SLUGGISHNESS, SLEEPLESSNESS, &/OR WEAKNESS
IN THE LEGS.

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

First Aid:EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN:
WASH THOROUGHLY W/SOAP & WATER. INHA
LATION: OBTAIN MEDICAL
ATTENTION IN ALL CASES.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:DRY CHEMICAL, CO2, FOAM, & WATER.

Fire Fighting Procedures:IN CONFINED AREAS WEAR SELF-CONTAINED
BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:EXPLOSION HAZARD IF HEATED W/OXIDIZABLE
MATERIALS.

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

Spill Release Procedures:SCOOP UP. TRANSFER TO SAFETY C
ONTAINER. WASH
SURFACE W/SOAP & WATER.

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

Handling and Storage Precautions:STORE IN A COOL DRY AREA. TRAIN
PERSONNEL IN SAFE HANDLING OF THIS PRODUCT. EXPLOSION HAZARD IF
HEATED W/OXIDIZABLE MATERIALS.

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

Respiratory Protection:NONE NEEDED

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES

Other Protective Equipment:APPROPRIATE EQUIPMENT

Work Hygie

nic Practices:WASH HANDS BEFORE EATING OR SMOKING AFTER
HANDLING PRODUCT. TRAIN PERSONNEL IN SAFE HANDLING OF THIS PRODUCT.
Supplemental Safety and Health
KEY1:N1. THE EXPOSURE LIMITS ARE BASED ON DUST PARTICLES. IN THIS
PRODUCT THE MANGANESE DIOXIDE PARTICLES ARE WETTED OUT THEREFORE
AIRBORNE PARTICLES WILL NOT RESULT FROM NORMAL USE.

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

HCC:N1
Spec Gravity:2
Evaporation Rate & Reference:(BU AC = 1): NIL
Solubil
ity in Water:NEGLIGIBLE
Appearance and Odor:BLACK PASTE W/OILY ODOR.

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

Stability Indicator/Materials to Avoid:YES
REDUCING AGENTS, COMBUSTIBLES, HYDROGEN DIOXIDE, POTASSIUM AZIDE, &
OXIDIZERS
Stability Condition to Avoid:HEAT
Hazardous Decomposition Products:CO2, CO, NITRIC OXIDE, NITROGEN
DIOXIDE, & DUST.

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

Waste Disposal Methods:REACT W/BASE COMPONENT
& DISPOSE AS SOLID WASTE
ACCORDING TO LOCAL, STATE, & FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume res
ponsibility for the suitability of this information to their
particular situation.