

MATERIAL SAFETY DATA SHEET M/M CAST OUT

DATE OF ISSUE: 04/24/2000

SUPERCEDES: 19/ /

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms:
CHLORINE DIOXIDE

Trade Name & Synonyms:
M/M CAST OUT

Chemical Family:
AQUEOUS OXIDANT

Formula Mixture:
x

Manufacturer's Name:
CHEMSEARCH DIV. OF NCH CORP.

Address:

BOX 152170
IRVING, TX 75015

Prepared By: S NAQUIN/CHEMIST

Product Code Number: 4287

Emergency Phone Number: 800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS:

Chemical Name (Ingredients): NO HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200(D)

Hazard: N/A

TLV: N/A

PEL: N/A

STEL: N/A

CAS#: N/A

SECTION IIa - NON-HAZARDOUS INGREDIENTS
(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)

Secret Registry #: 409363-5024P

SECTION III - PHYSICAL DATA

Boiling Point (f): 212
Specific Gravity (H2O=1): 1.0
Vapor Pressure (MM HG): 18
Color: COLORLESS
Vapor Density (Air=1): 0.6
Odor: MILD-FRESH
PH @ 100%: 9.0
Clarity: TRANSPARENT
Volatile by Volume: 100
Evaporation Rate (BU A/C=1): < 0.1
H2O Solubility: COMPLETE
Viscosity: NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: NON-FLAM / T.C.C.

Flammable Limits: N/A LEL: N/A UEL:N/A

Extinguishing Media:

Foam: X Alcohol Foam: X CO2: X
Dry Chemical: X Water Spray: X Other:

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE.

Unusual Fire and Explosion Hazards:

NONE KNOWN.

Aerosol Level (NFPA 30B): N/A

NFPA 704 Hazard Rating:

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Health: 1 Flammability: 1 Instability: 0 Special: OX

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE.

Effects of Overexposure:

-Acute(Short Term Exposure)

ALTHOUGH THERE ARE NO HAZARDOUS INGREDIENTS IN THIS PRODUCT, AS WITH ANY CHEMICAL, DIRECT CONTACT WITH THE EYES MAY CAUSE IRRITATION.

-Chronic (Long Term Exposure)

NO HUMAN CHRONIC EFFECTS KNOWN. MEDICAL CONDITIONS AGGRAVATED: NONE KNOWN. TARGET ORGANS: NONE KNOWN. THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY. THE PRIMARY ROUTE OF EXPOSURE IS SKIN AND EYE CONTACT.

Primary Routes of Entry: Inhalation: Ingestion: Absorption:

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

-Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Skin Contact:

WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

-Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC: No

NTP: No

OSHA: No

ACGIH: No

OTHER: No

NO TOXICITY DATA AVAILABLE.

SECTION VII - REACTIVITY DATA

Stability: Stable: X Unstable:

Conditions to Avoid: CONTACT WITH ACIDS.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH; ACIDS, CHLORINE AND SULFITE COMPOUNDS, PHOSPHOROUS AND ORGANIC SOLVENTS.

Hazardous Decomposition Products:

NONE KNOWN.

Hazardous Polymerization:

May Occur: Will Not Occur: X

Conditions to Avoid: NONE KNOWN.

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

DUE TO THE NATURE OF THE PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, ABSORB WITH A DAMP CLOTH AND RINSE AREA INTO A SANITARY SEWER.

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:

FLOOD AREA WITH A DILUTED SOLUTION OF SODIUM BISULFITE OR SODIUM THIOSULFITE.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

GENERAL VENTILATION IS NORMALLY ADEQUATE.

Respiratory Protection:

NONE REQUIRED UNDER NORMAL CONDITIONS OF USE.

Glove Protection:

NOT NORMALLY REQUIRED.

Eye Protection:

PROTECTIVE EYEWEAR IF THE USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection:

N/A

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors: X
Refrigerated:

Outdoors:

Heated:

Minimum Temperature: 32 F

Maximum Temperature: 120 F

Precautions to be taken in Handling and Storing:

KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

Chemical Name

CAS Number Upper % Limit

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III and of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

SECTION XII - REFERENCES

ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE,
CORR:CORROSIVE

CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED,

COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP,

TCC:TAGLIABUE

CLOSEDCUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT,
NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL
AGENCY FOR
THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM,
OSHA:OCCUPATIONAL
SAFETY & HEALTH ADMINISTRATION, ACHGIH:AMERICAN CONFERENCE
OF GOVERNMENTAL
INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE,
PEL:PERMISSIBLE EXPOSURE
LEVEL, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE,
SEV:SEVERE,
MUT:MUTAGENIC, ASPHYX:ASPHYXIANT, PNOC: PARTICULATES NOT
OTHERWISE CLASSI-
FIED

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED
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