

ZEP MFG COMPANY -- 0240 ZEP FREEZE -- 6830-01-335-5741

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

Product ID:0240 ZEP FREEZE

MSDS Date:05/02/1991

FSC:6830

NIIN:01-335-5741

MSDS Number: BTVST

=== Responsible Party ===

Company Name:ZEP MFG COMPANY

Address:1310 SEABOARD INDUSTRIAL BLVD NW

Box:2015

City:ATLANTA

State:GA

ZIP:30301

Country:US

Info Phone Num:404-352-1680/404-922-0923

Emergency Phone Num:404-352

-1680/404-435-2973

CAGE:EO578

=== Contractor Identification ===

Company Name:ZEP MANUFACTURING COMPANY

Address:1310 SEABOARD INDUSTRIAL BLVD NW

Box:2015

City:ATLANTA

State:GA

ZIP:30318

Country:US

Phone:877-428-9937

CAGE:27674

Company Name:ZEP MFG COMPANY

Box:2015

City:ATLANTA

State:GA

ZIP:30301

Country:US

Phone:404-352-1680/404-996-0844

CAGE:EO578

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

Ingred Name:CHLORODIFLUOROMETHANE, FREON 22, MONOCHLORODIFLUOROMETHANE

CAS:75-4

5-6  
RTECS #:PA6390000  
Fraction by Wt: >90%  
Other REC Limits:1000 PPM  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM  
Ozone Depleting Chemical:2

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: SEVERE OVEREXPOSURE >2500  
PPM CAN CAUSE CNS DEPRESSION/DEATH. SKIN/EYES: CONTACT MAY CAUSE  
POSSIBLE IRRITATION. INHALATION OF AEROSOL  
MIST MAY PRODUCE  
CHEMICAL PNEUMONIA. CONCENTRATION OF SPRAY ON SKIN/EYES CAN  
QUICKLY CAUSE FROSTBITE & MAY RESULT IN PERMANENT INJURY.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:HEADACHE, NAUSEA, DIZZINESS, STUPOR,  
UNCONSCIOUSNESS, DEFATTING

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First Aid Measures  
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First Aid:SKIN: WASH W/SOAP/A MILD DETERGENT. APPLY A SKIN CREAM  
W/LANOLIN. EYES: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR 15 MINS.  
INHALATION: MOVE T  
O FRESH AIR. IF BREATHING HAS STOPPED, PERFORM  
CPR. INGESTION : ASPIRATION HAZARD. DON'T INDUCE VOMITING. IF  
VOMITING OCCURS, KEEP HEAD BELOW HIP LEVEL. OBTAIN MEDICAL  
ATTENTION IN ALL CASES.

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Fire Fighting Measures  
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Flash Point:UNFLAMMABLE  
Extinguishing Media:NON-COMBUSTIBLE  
Fire Fighting Procedures:WEAR SELF-CONTAINED POSITIVE PRESSURE  
BREATHING APPARATUS. DIRECT WATER ONTO INTACT CONTAINERS TO PREVENT  
BURSTING.

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=== Accidental Release Measures =====

Spill Release Procedures:OBSERVE SAFETY PRECAUTIONS. ABSORB ON AN INERT ABSORBENT MATERIAL & PLACED IN A SUITABLE CONTAINER FOR DISPOSAL. WASH AREA THOROUGHLY W/A DETERGENT SOLUTION & RINSE WELL W/WATER.

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

Handling and Storage Precautions:DON'T STORE AT TEMPS >120F/IN DIRECT SUNLIGHT. DON'T CRUSH, PUNCTURE/INCINERATE CONTAINER. KEEP PRODUCT OUT OF EYES. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:VAPORS ARE >AIR & WILL ACCUMULATE AT LOW POINTS. VENTILATION SHOULD INCLUDE FLOOR LEVEL EXHAUSTING.

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

Respiratory Protection:IF INADEQUATE VENTILATION, WEAR A PROPERLY FITTING MSHA/OSHA APPROVED RESPIRATOR.

Ventilation:USE EXHAUST FANS &/EXHAUST HOOD IN ENCLOSED SPACES.

Protective Gloves:NEOPRENE, NITRILE/NATURAL RUBBER

Eye Protection:TIGHT-FITTING SAFETY GLASSES

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:10F

Vapor Pres:125

Vapor Density:3.03

Spec Gravity:1.2

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR THIN LIQUID W/SLIGHTLY SWEET ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
NONE

Stability Condition to Avoid:DIRECT SUNLIGHT, TEMPS >120F

Hazardous Decomposition Products:CO2,

CO, HYDROGEN CHLORIDE & SMALL  
AMOUNTS OF PHOSGENE & CHLORINE GAS

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

Waste Disposal Methods: LARGE NUMBERS OF AEROSOL CONTAINERS MAY REQUIRE HANDLING AS A HAZARDOUS WASTE. CONSULT LOCAL, STATE & FEDERAL AGENCIES FOR THE PROPER DISPOSAL METHOD IN YOUR AREA. UN1010.

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