Product ID: 0231 ZEPTOX II
MSDS Date: 04/23/1990
FSC: 6840
NIIN: 00F030652
MSDS Number: BSLMM
== Responsible Party ==
Company Name: ZEP MFG COMPANY
Box: 2015
City: ATLANTA
State: GA
ZIP: 30301
Country: US
Info Phone Num: 404-352-1680
Emergency Phone Num: 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: KEROSENE (PETROLEUM), HYDROTREATED; PETROLEUM DISTILLATE,
HYDROTREATED, (MINERAL SPIRITS)
CAS: 64742-47-8
RTECS #: OA5504000
Fraction by Wt: 10-20%

Ingred Name: METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (CHLOROTHENE NU),
AEROTHANE TT, CHLOROTHENE
CAS: 71-55-6
RTECS #: KJ2975000
Fraction by Wt: 70-80%
Other REC Limits: 450 PPM STEL
OSHA PEL: 350 PPM
ACGIH TLV: 1910 MG/CUM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: 1
Ingred Name: ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROpanOL, DIMETHYL CARBINOL
CAS: 67-63-0
RTECS #: NT8050000
Fraction by Wt: 5-10%
Other REC Limits: 400 PPM
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM

Ingred Name: PYRETHRINS
CAS: 121-29-9
RTECS #: GZ0700000
Fraction by Wt: <1.5%
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

--------------- Hazards Identification --------------------------

Routes of Entry: Inhalation|YES  Skin:YES  Ingestion:YES
Reports of Carcinogenicity: NTP: NO  IARC: NO  OSHA: NO
Health Hazards Acute and Chronic: INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION, IRRITATION TO EYES/UPPER RESPIRATORY TRACT, MAY PRODUCE LIVER/KIDNEY/CNS DAMAGE & DEATH. EYES: REVERSIBLE EYE DAMAGE. SKIN: IRRITATION, DEPATING, DERMAT ITIS, ABSORPTION. ASPIRATION OF VOMitus: CHEMICAL PNEUMONIA.
Explanation of Carcinogenicity: NONE
Effects of Overexposure: INHALATION: DIZZINESS, HEADACHE, NAUSEA, CARDIAC/RESPIRATORY DEPRESSION, TINGLING/NUMBNESS, BLURRED VISION, CONFUSION, STUPOR, UNCONSCIOUSNESS, DEATH. SKIN: BURNING SENSATION, REDDENING.
Medical Cond Aggravated by Exposure: RESPIRATORY & CARDIAC CONDITIONS, EYE & SKIN DISORDERS.

--------------- First Aid Measures -----------------------------

First Aid: EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: THOROUGHLY WASH W/SOAP OR MILD DETERGENT, APPLY A LANOLIN SKIN CREAM. INGESTION: DON'T INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW H I P LEVEL. INHALATION: REMOVE TO FRESH AIR; IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. OBTAIN MEDICAL ATTENTION IN ALL CASES.

--------------- Fire Fighting Measures ------------------------

Flash Point: NON FLAMMABLE
Extinguishing Media: SELF-EXTINGUISHING
Fire Fighting Procedures: DIRECT WATER ONTO INTACT CONTAINERS TO PREVENT BURSTING.
Unusual Fire/Explosion Hazard: CONTAINER MAY BURST IF HEATED ABOVE 120 F.

--------------- Accidental Release Measures -------------------

Spill Release Procedures: OBSERVE SAFETY PRECAUTIONS. LARGE SPILLS UNLIKELY DUE TO PACKAGING. ABSORB ON INERT ABSORBENT, PLACE IN SUITABLE CONTAINER FOR DISPOSAL, WASH AREA W/DETERGENT SOLUTION &
RINSE WELL W/WATER.

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

Handling and Storage Precautions: AVOID TEMPS >120 F & DIRECT SUNLIGHT.
DON'T PUNCTURE OR INCINERATE. KEEP PRODUCT AWAY FROM EYES & SKIN.
DON'T INHALE MISTS OR VAPORS.
Other Precautions: VAPORS ARE HEAVIER THAN AIR & WILL ACCUMULATE AT LOW
POINTS. KEEP AWAY FROM FOOD PRODUCTS & FROM CHILDREN. DON'T WEAR
CONTACT LENSES WHEN WORKING W/THIS MATERIAL.

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

Respiratory Protection: REQUIRED
Ventilation: EQUIVALENT TO OUTDOORS. USE EXHAUST FANS & OPEN WINDOWS IN
ENCLOSED SPACES. SHOULD INCLUDE FLOOR LEVEL EXHAUSTING.
Protective Gloves: VITON OR EQUIVALENT RESISTANCE
Eye Protection: TIGHT-FITTING SAFETY GLASSES
Work Hygienic Practices: DON'T WEAR CONTACT LENSES.
Supplemental Safety and Health

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

Boiling Pt: B.P. Text: 105-490 F
Vapor Pres: 62.5
Spec Gravity: 1.45
Evaporation Rate & Reference: (CCL4=1): 0.34
Solubility in Water: NEGLIBLE
Appearance and Odor: CLEAR, COLORLESS LIQUID W/STRONG SOLVENT ODOR
Percent Volatiles by Volume: 97.7

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

Stability Indicator/Materials to Avoid: YES
OXIDIZING AGENTS
Stability Condition to Avoid: SOURCES OF IGNITION, TEMP >120 F, DIRECT
SUNLIGHT
Hazardous Decomposition Products: CO, CO2, HYDROGEN CHLORIDE, PHOSGENE,
CHLORINE GAS

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

Waste Disposal Methods: DON'T CRUSH, PUNCTURE OR INCINERATE SPENT
CONTAINERS. LARGE AMOUNTS MAY REQUIRE HANDLING AS HAZARDOUS WASTE.
OBSERVE ALL FEDERAL, STATE, LOCAL REGULATIONS.

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particular situation.