

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910. 1200.
Standard must be consulted for specific requirements.

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: Zocon Precor 2000 Premise Spray
EPA REG.NO.:2724-339-50809 FDA NO.: N/A RF NO.:280
COMPANY NAME: Zocon Corporation EMERGENCY PHONE NO. 214-243-2321
ADDRESS: 12200 Denton Drive
CITY, STATE, AND ZIP: Dallas, Texas 75234
Date Prepared/Last Change: 3/91

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Components (Chemical and Common Name)	OSHA PEL	ACGIH TLV	OTHER EXPOSURE LIMITS	CAS NO
Permethrin: (3-Phenoxyphenyl) methyl +/- isomers-3- (2,2-dichloroethoxy)-2,2-dimethyl cyclopropanecarboxylate	NE	NE	2.5 mg/m3 Zocon recommended 8 hr TWA	52645-53-1
(S)-Methoprene: Isopropyl (2E, 4E 7S)- 11-Methoxy-3, 7, 11,- trimethyl- 2, 4-dodecadienoate	NE	NE	230mg/m3 Zocon recommended 8 hr TWA	85733-16-6
1,1,1 Trichloroethane	350 ppm 1900 mg/m3	350 ppm 1900 mg/m3	OSHA & ACGIH STEL: 450 2450 mg/m3	71-55-6
Propane	1000 ppm 800 mg/m3	asphyxiant	NE	74-98-6

SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 48° C to 78° C
Specific Gravity (H2O = 1): 1.0
Vapor Pressure (mm Hg): 71 +/- = 2 PSI

Vapor Density (Air = 1): 2.5 to 5.0

Solubility in Water: Negligible
Evaporation Rate: > Ethyl Acetate
% Volatile (volume): 99.3

Appearance and Odor: Aerosol, mixture of solvent and liquified hydrocarbons as propellant, light straw color, odor of chlorinated hydrocarbons.

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: N/A
Method Used: N/A
Flammable Limits In air % by volume
LEL lower: 2 UEL Upper: 9

Auto Ignition Temperature: Unknown
Extinguisher Media: Water fog, foam, CO2

Special Fire Fighting Procedures:

Firefighters should wear protective clothing, eye protection and self-contained breathing apparatus. Do not allow run-off to enter waterways inhabited by aquatic organisms.

Unusual Fire and Explosion Hazards:

Contents under pressure. Containers may burst when exposed to heat, open flame, or temperatures above 130 degrees F.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Unstable _____ Conditions to Avoid:
Stable _____

Incompatibility (Materials to Avoid):

Strong acids, bases, oxidizers and reactive metals such as sodium and potassium.

Hazardous Decomposition Products:

Hazardous Polymerization may occur _____ Conditions to Avoid:
will not occur _____

SECTION 6 - HEALTH HAZARDS

Signs and Symptoms of Exposure:

Large doses may cause headache, nausea, dizziness, may cause drowsiness or anesthetic like symptoms. Eye irritation, GI irritation, skin irritation and cardiac arrhythmia may be observed.

ACUTE:

Oral LD50 (rat) =>5,500 mg/kg
Dermal LD50 (rabbit) =>5,100 mg/kg
Irritation: Skin = mildly irritant Eyes = moderately irritant
4 hour acute inhalation = 75.30 mg/kg

CHRONIC: Not done

Emergency and First Aid Procedures:

If swallowed, DO NOT INDUCE VOMITING. Call a physician or Poison Control Center. May pose an aspiration hazard. If in EYES, flush immediately with gently flowing water. If irritation persists, get medical attention. If on SKIN, wash with soap and water. Remove any contaminated clothing. Wash before re-use.

Primary Routes of Entry: Dermal and oral

Carcinogenic Status (NTP, IARC, ACGIH, OSHA): 1, 1, 1, trichloroethane- IARC Group 3: Not classifiable as a human carcinogen.

SECTION 7 - GENERAL PRECAUTIONS FOR SAFE HANDELING AND USE

Work/Hygienic Practices:

Avoid contact with skin, eyes, or clothing. Avoid inhalation of mist or vapors. Wash thoroughly with soap and water after handling product.

Precautions to be Taken in Handling and Storage: Avoid contamination of water, food and foodstuffs. Do not use in areas where food is prepared, processed or stored. Contents under pressure. Do not use or store near heat or open flame. Exposure to temperatures above 130 degrees F may cause bursting. Do not puncture.

Steps to be Taken in Case Material is Released/Spilled:

Eliminate all ignition sources. Soak up spill with absorbent material and place in container for disposal. Do not allow spill to enter waterways inhabited by aquatic organisms.

Waste Disposal Method (Consult federal, state, & local regulations):

Entire contents must be used according to label directions. Do not incinerate. This product, as a waste, may be classified as a RCRA hazardous waste. Recommended disposal is by delivery to an approved hazardous waste management facility.

SECTION 8 - GENERAL CONTROL MEASURES

Ventilation _____ Local Exhaust _____ Mechanical (General) _____ Special _____ Other _____

Respiratory Protection:

Avoid inhalation of mist or vapors. If prolonged or excessive exposure is expected, wear MSHA/NIOSH approved organic vapor/pesticide respirator.

Protective Gloves:

Avoid contact with skin. If exposure is anticipated, wear impervious gloves.

Eye Protection:

Avoid contact with eyes. If exposure is anticipated, wear goggles.

Other Protective Clothing and Equipment:

Wear clothing appropriate to prevent skin contact.

SECTION 9 - MATERIAL SHIPPING INFORMATION

DEPARTMENT OF TRANSPORTATION REGULATIONS (AIR AND TRUCK):

Article Name: Consumer Commodity ORM-D

Hazardous Class: N/A

Packaging: Exempt CFR 49 173.1200

Maximum Net Quantity Per Package Via Air: Passenger : 65# gross wt.
Cargo Only: 65# gross wt.

Bill of Lading Description: Consumer Commodity, ORM-D, insecticides, other than poison, N.O.S., NMFC 102120.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

Article Name: Aerosols, Flammable, N.O.S. (contains propane)

Hazardous Class: Class 2, Subsidiary Risk 3 (Flammable Gas Label)

Packaging: U1..4G Combination package

Max. Net Qty. Per Pkg: Passenger: 75k Cargo Only: 150k
Pkg Inst: 203 Pkg Inst: 203

Bill of Lading Description: Aerosols, Flammable, N.O.S (contains propane)
Class 2, Subsidiary Risk 3, UN 1950.

INTERNATIONAL MARITIME ORGANIZATION (IMO) (VIA OCEAN)

Article Name: Aerosols Hazard Class: N/A

Packaging Required: U2.. 4G Combination package

Bill of Lading Description: Aerosols, Class 9, UN-1950, IMDG Page 9022.

The information herein is given in good faith, but no warranty, expressed or implied is made.

N/A = Not applicable

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