

MATERIAL SAFETY DATA SHEET

002116



ICI Americas Inc.

Wilmington, Delaware 19897

Phone (302) 575-3000 (24 hours)

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SECTION 1 NAME & HAZARD SUMMARY

Material name: DEMONE 40 VP

Hazard summary (as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):  
Physical hazards: None  
Health hazards: Inhalation (TLV), Irritant (skin, eye), skin sensitizer, harmful (respiratory)

Read the entire MSDS for a more thorough evaluation of the hazards.

SECTION 2 INGREDIENTS

Ingredient	%	TLV (ACGIH)
Cypermethrin (CAS 52315-07-8)	40	Not listed
Calcium silicate (CAS 1344-95-2)		10 mg/m <sup>3</sup>
Amorphous silica (CAS 7631-86-9)		10 mg/m <sup>3</sup>
Other ingredients		Not listed

Ingredients not precisely identified are proprietary or nonhazardous. This material is exempt from TSCA registration. Values are not product specifications. % = greater than, lt = less than, ca = approximately

SECTION 3 PHYSICAL DATA

Boiling point: Not applicable  
Vapor pressure (mmHg at 20°C): No data  
Vapor density (air = 1): No data  
Solubility in water: Dispersible  
pH: 8.6  
Specific gravity: No data  
Volatility: Volatile  
Appearance and odor: Off-white, slightly aromatic powder

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash point (and method): Not applicable  
Autoignition temp.: No data  
Flammable limits (STP): Not applicable  
Extinguishing media:  
Water fog, foam, carbon dioxide, dry chemical, halon 1211.

Special fire fighting protective equipment:

Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:

None known

SECTION 5 REACTIVITY DATA

Stability:  
Stable under normal conditions.

MATERIAL SAFETY DATA SHEET (continued)

DEMONE 40 VP

SECTION 5 REACTIVITY DATA (continued)

Incompatibility (materials to avoid):  
Oxidizing agents

Hazardous decomposition products:

Combustion products: Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, halogen, halogen acids, possible trace amounts of carbonyl halide.

Hazardous polymerization:

Will not occur.

SECTION 6 HEALTH HAZARD ASSESSMENT

General:

The health hazard assessment is based on acute toxicity screening studies.

Ingestion:

The acute oral LD50 in rat is 1.8 g/kg. Relative to other materials, a single dose of this product is slightly toxic by ingestion. Hodge, H.C. and Steiner, J.H., American Industrial Hygiene Association Quarterly, 10:4, 93, Dec. 1949.

Eye contact:

This material is moderately irritating in a rabbit eye irritation test. It will probably irritate human eyes.

Skin contact:

This material is mildly irritating in a rabbit dermal irritation test. Irritation will probably develop following repeated and/or prolonged contact with human skin. This material is a skin sensitizer in animal testing. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin.

Skin absorption:

The acute dermal LD50 in rabbit is above 2.0 g/kg. Systemically toxic concentrations are unlikely to be absorbed through the skin in man.

Inhalation:

No toxic effects are known to be associated with inhalation of dust from this material.

Other effects of overexposure:

Nausea, vomiting with colicky pain, tenesmus, diarrhea, convulsions, unconsciousness, and respiratory failure can develop following ingestion of this product.

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SECTION 8 SPECIAL PROTECTION INFORMATION (continued)

Other protective equipment:  
Eyewash station and safety shower in work area.

SECTION 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS

Precautions to be taken in handling or storing:  
Prevent skin and eye contact. Observe TLV limitations. A sensitized individual should not be exposed to the product which caused the sensitization. Do not store near feed or food.

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

SECTION 6 HEALTH HAZARD ASSESSMENT (continued)

First aid procedures:

**Skin:** Wash material off the skin with copious amounts of soap and water. If redness, itching or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

**Eyes:** Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

**Ingestion:** Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

**Inhalation:** Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

SECTION 7 SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Wear skin, eye and respiratory protection during cleanup. Keep out of sewers and drains. Sweep up and recover or mix material with moist absorbent and shovel into waste container.

Disposal method:

This material is extremely toxic to fish. Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Untreated effluent should not be discharged where it will drain into lakes, streams or ponds.

Container disposal:

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all hazardous residue from container using appropriate solvents (e.g., triple rinsing). Then offer for recycling/reconditioning or puncture or otherwise destroy empty container and dispose of in facility permitted for nonhazardous waste.

SECTION 8 SPECIAL PROTECTION INFORMATION

TLV or suggested control value:

No TLV assigned. Minimize exposure in accordance with good hygiene practice. ICI operates its facilities such that employee exposure to this material is kept below 0.5 mg/m<sup>3</sup> 8-hour TWA.

Ventilation:

Use local exhaust to keep exposures to a minimum.

Respiratory protection (Specify type):

If needed, use NIOSH-approved respirator for pesticides.

Protective clothing:

Impervious gloves. Depending upon conditions of use, additional protection may be required such as apron, arm covers or full body suit.

Eye protection:

Chemical tight goggles.