

MSDS Information

Section 1. CHEMICAL PRODUCT SECTION

Product Name: STATICIDE[®] Precision 2000 Dust Remover

Product Number: # 8035

Manufacturer: ACL Incorporated

1960 E. Devon Avenue
Elk Grove Village, IL 60007

PH: (01) 847.981.9212 [U.S.A.]

FAX: (01) 847.981.9278 [U.S.A.]

For Chemical Emergency,

Spill, Leak, Fire Exposure,

Or Accident Call INFOTRAC

DAY OR NIGHT (01) 800.535.5053

Section 2. INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL	C.A.S. Number	Weight %
1,1-Diflouroethane	75-37-6	100

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

Exposure Limits 8 Hours TWA (PPM)

OSHA PEL ACGIH TLV

1,1-Diflouroethane

NE

NE

Section 3. HAZARD IDENTIFICATION

Potential Health Effects:

Inhalation: May cause irritation of the eyes, skin and respiratory tract. High concentrations may cause dizziness, drowsiness, fatigue, headache and fainting.

Eyes: May cause frostbite in contact with eyes.

Skin: Prolonged or repeated contact with 1,1-diflouroethane can cause drying and cracking of the skin. May cause frostbite.

Ingestion: Exposure by ingestion is unlikely since an aerosol, but if ingested, the following may occur: Exposure is unlikely.

Aggravated Medical Conditions: May Aggravate pre-existing Central Nervous System, cardiac, lung, kidney conditions.

Chronic Exposure: May affect the Heart and/or circulatory system.

Section 4. EMERGENCY AND FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If systems develop, get immediate medical attention.

Eye Contact: Immediately flush with plenty of water for 15 minutes. Get prompt medical attention.

Skin Contact: Wash affected areas gradually and get prompt medical attention.

Ingestion: Swallowing is unlikely.

Section 5.	FIRE FIGHTING MEASURES
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Aerosol Flammability: Product is not required to be labeled as flammable as described in 16 CFR 1500.3 and 1500.45.

Flashpoint: -58° F (Propellant); NA Concentrate)

Flammable Limits: % Volume In Air (Propellant) LEL:3.9 % UEL: 16.9%

Extinguishing Media: Carbon dioxide, water spray, foam or dry chemical.

General Hazard: Containers can build up pressure if exposed to heat (fire). Containers should be cooled with water to prevent vapor pressure build up.

Fire Fighting Instructions: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding as required to protect personnel from bursting, rupturing or venting containers.

Fire Fighting Equipment: Carbon dioxide, foam and /or dry chemical may be used as extinguishing media.

Unusual Fire and Explosion Hazards: Firefighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protection clothing. At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

Section 6.	ACCIDENTAL RELEASE MEASURES
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Releases or Spills: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Section 7.	HANDLING AND STORAGE
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Handling: Avoid breathing vapor. Keep away from heat, sparks, flame and electric arcs. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 120°F (48.9°C). Store as **Level 1 Aerosol (NFPA 30B)**.

Other Precautions: Please read and follow the directions on the product label: they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Section 8.	EXPOSURE CONTROL / PERSONAL PROTECTION
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Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds Occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

Ventilation: Mechanical ventilation should be used when handling this product in enclosed or tight spaces. Local exhaust ventilation may be needed.

Protective Gloves: resistant gloves are recommended – consult glove manufacturer to determine the proper type for a specific operation.

Eye Protection: Safety glasses are recommended

Other Protective Clothing or Equipment: Wearing of impervious clothing to prevent skin contact may be worn.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be on accordance with 29 CFR 1910.132 and CFR 1910.133.

Section 9.	PHYSICAL AND CHEMICAL PROPERTIES
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Boiling Point:-13°F
 Vapor Pressure (psig) (± 5 psig) :165 @ 130F / 65 @ 70 °F
 Specific Gravity – calculated (H₂O=1):.....0.9000 \pm 0.005 ph: NA
 Solubility/Water:Insoluble
 Odor.....Slight Ethereal
 Appearance:.....Clear, Colorless

Section 10.	STABILITY AND REACTIVITY
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Stable: Stable

Hazardous Polymerization: NA

Materials to avoid: Bases

Hazardous Decomposition Products: Carbon monoxide, Hydroflouric acid,

Conditions to avoid: Keep away from heat, sparks, flames and electric arcs. Dropping of containers may cause bursting.

Section 11.	TOXICOLOGY INFORMATION
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No **Carcinogenic** ingredients.

Toxicity Information: 1,1-Difluoroethane: Can affect the heart causing irregular rhythm and skipped heartbeat.

Section 12.	ECOLOGICAL INFORMATION
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No Information

Section 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled.

RCRA 40 CFR 261 Classifications:

As packaged, if this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor is listed in Subpart D.

Federal, State, and Local laws governing disposal of material can differ.
Ensure proper disposal compliance with proper authorities before disposal.

Section 14. TRANSPORTATION INFORMATION

U.S. DOT Information

Proper Shipping Name: 1, 1-Diflouroethane
Hazard Class: 2.1

IATA

Proper Shipping Name: 1, 1-Diflouroethane
Hazard Class: 2.1
UN No 1030
Packing Group: NA

Additional markings(s) on packages: DOT-E 11516
For air shipments: CARGO AIRCRAFT ONLY label is required on packages.

Section 15. REGULATORY INFORMATION

United States Federal Regulations:

MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/Superfund, 40 CFR 117. 302:

---None of the chemicals have a reportable quantity---

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – Extremely hazardous substances (40 CFR 355):

---None of the chemicals are Section 302 hazards ---

Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370):

By our hazard evaluation, this product is non-hazardous.

Section 313 – List of Toxic Chemicals (40CFC 372):

This product does not contain chemicals (at level of 1% or greater)
found on the 313 list of Toxic Chemicals.

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D:
Refer to Section 13 for RCRA classification.

Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311)

This product contains no chemicals which are listed

California Proposition 65: --- **None of the chemicals are on the Proposition 65 list---**
Pennsylvania/New Jersey Right to Know : 1,1-Difluoroethane (75-37-6)

INTERNATIONAL REGULATIONS:

Canada WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Europe EINECS Numbers:

1,1 - Difluoroethane

Einecs # 200-866-1

Sections 16. OTHER INFORMATION

LABEL INFORMATION:

For Shipping Label information refer to section 14

Product label warnings are as follows (Comparable CHIP Safety & Risk phrases are noted):

- Harmful or fatal if inhaled. (R48 /20)
- Keep out of the reach of children (S2)
- Do not puncture
- Keep away from heat (S15)
- Keep at temperature not exceeding 120° F (S47)

HMIS HAZARD RATING:

(4) Fire

(1) Health

(0) Reactivity

(B) Protective Equipment

REVISION DATES, SECTIONS, REVISED BY:

14-MAR-01 Original preparer: Amanda Wlodarczyk
02-APR-01, Reviewed
07-Nov-05 Revised all sections, MKB
03-Feb-06 Revised all sections, CJP

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No Information Found

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)
The Sigma-Aldrich Library of Regulatory and Safety Data
Chemical Guide and OSHA Hazardous Communication Standard
The Environmental Protection Agency (www.epa.gov)
American National Standards Institute

To the best of our knowledge, the information contained herein is accurate.

However, neither ACL STATICIDE nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.