



# MATERIAL SAFETY DATA SHEET

**MSDS Number:** 249-A-252

**Issue Date:** 11-17-05

## CleanSafe® Dust Remover

Manufacturer IQ Products Company Houston, TX 77086-1014	MSDS Assistance IQ Phone: (281) 444-6454 IQ Fax: (281) 444-0185	Transportation Emergency CHEMTREC: (800) 424-9300 Outside U.S. (703) 527-3887
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### Section 1

### Product Identification

COMMON NAME ON LABEL CleanSafe® Dust Remover	CHEMICAL FAMILY Hydrofluorocarbons
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### Section 2

### Information on Ingredients

Component	CAS No.	OSHA PEL	ACGIH TLV-TWA	ACGIH TLV-STEL
1,1-DIFLUOROETHANE (HFC-152a)	75-37-6	None Established	None Established	None Established

### Section 3

### Physical and Chemical Properties

PHYSICAL FORM	Liquefied gas	COLOR	Clear, colorless
ODOR	Faint ether-like odor	% VOLATILES	100 WT%

### Section 4

### Firefighting Measures

EXTINGUISHING MEDIA:	Water Spray, Water Fog, Dry Chemical, Carbon Dioxide, and "Alcohol" Foam
SPECIAL FIRE FIGHTING PROCEDURES:	Firefighters should wear a self-contained breathing apparatus and protective clothing if containers rupture and contents are release under fire conditions.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Fire decomposition by-products will include hydrofluoric acid, and possibly carbonyl fluoride. Avoid contact with these materials, which are toxic and irritating. Evacuate personnel immediately in the event of a fire.

### Section 5

### Health Hazard Data

EFFECTS OF OVEREXPOSURE		EMERGENCY AND FIRST AID PROCEDURES	
EYES	<u>Eye Contact with Liquid:</u> Can cause eye irritation. Can cause frostbite.	EYES	Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
SKIN	<u>Skin Contact with Liquid:</u> Can cause skin irritation. Can cause frostbite.	SKIN	Flush the exposed area of the skin with lukewarm (not hot) water. Get medical attention if frostbitten.
INHALATION	Inhalation misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.	INHALATION	Remove affected person to fresh air. If not breathing, give artificial respiration and get medical attention. If breathing is difficult, give oxygen.

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INGESTION	Not Applicable	INGESTION	Ingestion is not considered a potential route of exposure.
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## Section 6 Stability and Reactivity Data

STABILITY	<input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID: Material is stable. However avoid open flames and high temperatures.
INCOMPATIBILITY: Incompatibility with alkali or alkaline earth metals – powdered Al, Zn, Be, etc.		
POLYMERIZATION:	<input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID: Not Applicable
DECOMPOSITION PRODUCTS: This material can be decomposed by high temperatures forming hydrofluoric acid and possibly carbonyl fluoride.		

## Section 7 Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL RELEASE: Ventilate area, especially low or enclosed places where heavy vapors might collect. Remove open flames. Use self-contained breathing apparatus (SCBA) if large spill or leak occurs.
WASTE DISPOSAL METHOD: Always package, store, transport, and dispose of all waste and contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations.

## Section 8 Special Protection Information

EYE PROTECTION: Wear protective eyewear to avoid injury from dust and debris.
SKIN PROTECTION: Avoid skin contact with freezing liquid. If skin contact cannot be avoided then synthetic rubber gloves should be worn while using this product. Lined synthetic rubber gloves are recommended.
RESPIRATORY PROTECTION: Avoid breathing high concentrations of vapor. Reduce exposure levels below the recommended exposure limits. The recommended workplace exposure level (8-hour TWA) is 1,000 ppm as established by the American Industrial Hygiene Association (AIHA).
MECHANICAL VENTILATION: Local mechanical exhaust ventilation should be used to reduce exposure limits below the recommended levels.
OTHER PROTECTIVE EQUIPMENT: Add additional protective equipment necessary to avoid inhalation, skin contact, and eye contact with the product.

## Section 9 Product Label Information

Read and observe all DIRECTIONS and WARNING statements on the product label. <b>DIRECTIONS:</b> USE THIS PRODUCT ONLY AS DIRECTED. Wear protective eyewear to avoid injury from dust and debris. Prior to first use, remove safety tab on spray applicator top. HOLD CAN UPRIGHT before and during use. Do not use this product while holding can upside down or at an angle which will dispel a flammable, freezing liquid that may cause injury or ignite if exposed to open flame or other ignition source. Unplug electronic devices before using this product. Hold can approximately two inches from item to be dusted. Operate a short series of blasts. Attach extension tube to remove hard-to-reach debris. <b>WARNING:</b> CONTENTS UNDER PRESSURE. AVOID EYE CONTACT. AVOID SKIN CONTACT WITH FREEZING LIQUID. AVOID INHALATION. KEEP OUT OF REACH OF CHILDREN. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120 °F (49 °C). This product contains IQ's unique Bittergent Technology to help deter misuse through intentional inhalation of concentrated vapors. IMPORTANT NOTE: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. More information about inhalant abuse can be found at <a href="http://www.inhalant.org">www.inhalant.org</a> .
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## Section 10 Transportation Information

While the information and recommendations set forth herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon.

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## **CleanSafe® Dust Remover**

DOMESTIC GROUND TRANSPORTATION: Proper Shipping Name: CONSUMER COMMODITY, Hazard Class/Division: ORM-D

MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, and cargo aircraft only. The CARGO AIRCRAFT ONLY label must be placed on each package intended for transportation by air. Contact MSDS Assistance at IQ Products Company for additional labeling support.

This product is packaged under DOT Special Permit Number DOT-SP 11516.

MODAL REQUIREMENTS: A current copy of this Special Permit must be carried aboard each aircraft used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.

### **Section 11**

### **Other Information**

NPCA-HMIS Ratings: Health - 1, Flammability - 2\*, Reactivity - 1 Personal protection rating to be supplied by user depending on use conditions.

Explanation of HMIS Ratings: Minimal - 0 Slight - 1 Moderate - 2 Serious - 3 Severe - 4 \*HMIS III Flammability Criteria for Aerosol Products

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