

# Safety Data Sheet

## Duster

### SECTION 1: IDENTIFICATION

**Product Name:** 255050 Endust for Electronics (Non-Flammable Duster with Bitterant) 10oz

**Manufacturer:**

Norazza, Inc.  
3938 Broadway  
Buffalo, NY 14227  
www.norazza.com

**Information Phone Number:**

Phone: (716) 706-1160

**Emergency Phone Number:**

ChemTel Inc.  
(800)255-3924, +1(813)248-0585

**Product Use:** Duster – consumer product

**Restriction on Use:** Use only as directed

**SDS Date of Preparation:** December 10, 2015

### SECTION 2: HAZARDS IDENTIFICATION

GHS Classification (Hazcom 2012):  
Gases Under Pressure – Compressed Gas

Label Elements:



**DANGER!**

Hazard Phrases:

Contains gas under pressure; may explode if heated.

Precautionary Phrases:

Protect from sunlight. Store in a well-ventilated place.

**Other Hazards:** None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
1,1,1,2 Tetrafluoroethane	811-97-2	80-100
1,1-Difluoroethane	75-37-6	1-10

The specific identity and/or exact percentage of composition has been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

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**Eye:** Flush eyes with water. Get medical attention if irritation develops and persists. For direct contact with spray, flush immediately and get medical attention.

**Skin:** Wash area with soap and water. Get medical attention if irritation develops and persists. Treat frostbitten or frozen skin by immersing affected area in lukewarm water. Get medical attention.

**Inhalation:** None needed under normal use conditions. If irritation develops, move to fresh air. Get medical attention for serious overexposure or if symptoms persist.

**Ingestion:** Ingestion is an unlikely route of exposure for aerosol products. If ingestion occurs rinse mouth with a small amount of water. Get medical attention. Never give anything by mouth to an unconscious or drowsy person.

**Most Important symptoms and effects, both acute and delayed:** May cause mild eye irritation. Spraying product directly on skin or in eyes may cause freezing of tissues. Inhalation may cause upper respiratory tract irritation.

**Indication of any immediate medical attention and special treatment needed:** Immediate medical attention is required if frostbite occurs from spraying directly in eyes or on skin.

### SECTION 5: FIRE-FIGHTING MEASURES

**Suitable and Unsuitable Extinguishing Media:** Use any media that is appropriate for the surrounding fire.

**Special Hazards Arising from the Chemical:** Contents under pressure. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 120°F may cause cans to burst. Combustion may produce carbon oxides, hydrogen fluoride, hydrofluoric acid, carbonyl fluoride and fluorocarbons.

**Special Protective Equipment and Precautions for Fire-Fighters:** Wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Protect against bursting cans.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate personal protective equipment. Ventilate area.

**Environmental Hazards:** Report spills and releases as required to appropriate authorities.

**Methods and Material for Containment and Cleaning Up:** Remove leaking containers to a well ventilated area and allow gas to dissipate.

### SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes. Avoid breathing vapors and mists. Use with adequate ventilation. Contents under pressure. Do not puncture or incinerate container.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, well-ventilated area at temperatures below 120°F. Do not store in direct sunlight.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
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1,1,1,2-Tetrafluoroethane	1000 ppm TWA AIHA WEEL
1,1-Difluoroethane	1000 ppm TWA Manufacturer

**Appropriate Engineering Controls:** General ventilation should be adequate for normal use. For operations where the occupational exposure limit may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.

**Individual Protection Measures:**

**Respiratory Protection:** None normally required. For operations where the occupational exposure limit may be exceeded, a NIOSH approved supplied air respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**Skin Protection:** None required for normal use. For bulk handling and packaging operations, impervious gloves are recommended.

**Eye Protection:** None required for normal use. For bulk handling and packaging operations, safety glasses with side shields are recommended.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Clear, colorless gas packaged in an aerosol container	<b>Vapor Density (air = 1):</b> Not available
<b>Odor:</b> Slight ether-like odor	<b>Specific Gravity:</b> Not available
<b>Odor Threshold:</b> Not established	<b>Water Solubility:</b> <1%
<b>pH:</b> Not applicable	<b>Octanol/Water Partition Coefficient:</b> Not applicable
<b>Melting Point/Freezing Point:</b> -149.8°F (-101°C) (1,1,1,2-Tetrafluoroethane)	<b>Autoignition Temperature:</b> Not available
<b>Boiling Point:</b> Not applicable	<b>Decomposition Temperature:</b> Not available
<b>Flash Point:</b> <-58°F (-50°C) (1,1-Difluoroethane)	<b>Viscosity:</b> Not applicable
<b>Evaporation Rate:</b> Not available	<b>Explosion Properties:</b> None
<b>Flammable Limits:</b> LEL: 3.9% (1,1-Difluoroethane) UEL: 16.9% (1,1-Difluoroethane)	<b>Oxidizing Properties:</b> Not oxidizing
<b>Vapor Pressure:</b> 4730 mmHg @ 25°C (1,1,1,2-Tetrafluoroethane)	<b>Aerosol Fire Protection Level:</b> Level 1 Aerosol (NFPA 30B)
<b>Ignition Distance Test:</b> No ignition at 15 cm	<b>Enclosed Space Ignition Test:</b> No ignition occurred

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Dropping containers may cause bursting.

**Incompatible Materials:** Avoid alkali or alkaline earth metals, powdered metals and powdered metal salts.

**Hazardous Decomposition Products:** Decomposition may produce carbon oxides, hydrogen fluoride, hydrofluoric acid, carbonyl fluoride and fluorocarbons.

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### SECTION 11: TOXICOLOGICAL INFORMATION

#### Potential Health Effects:

**Eye:** May causes mild irritation. Spraying product directly in eyes may cause freezing of tissue.

**Skin:** Spraying product directly on skin may cause freezing of tissue.

**Inhalation:** Breathing vapors may cause mild irritation of the mucous membranes and upper respiratory tract. Excessive overexposure may cause headache, dizziness, drowsiness, irregular heartbeat, unconsciousness or death from asphyxiation. Presence of bitterant makes inhalation overexposure unlikely.

**Ingestion:** Ingestion is unlikely with this product. If liquid is swallowed, freeze injury would be expected. Presence of bitterant makes ingestion unlikely.

**Chronic Hazards:** None known.

**Carcinogen Status:** None of the components of this product are listed as carcinogens by IARC, NTP or OSHA.

#### Acute Toxicity Values:

Acute Toxicity Estimate: Inhalation >27,500 ppm/4 hr

1,1,1,2-Tetrafluoroethane: Inhalation rat LC50 567,000 ppm/4 hr

1,1-Difluoroethane: Inhalation rat LC50 >437,500 ppm/4 hr

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity:

1,1,1,2-Tetrafluoroethane: 96 hr LC50 *Oncorhynchus mykiss* 450 mg/l, 48 hr EC50 *daphnia magna* 980 mg/L, 72 hr algae >118 mg/L

1,1-Difluoroethane: 96 hr LC50 fish 295.78 mg/L, 48 hr ECC50 *daphnia magna* 146.7 mg/L, 96 hr algae 47.76 mg/L

**Persistence and Degradability:** If released to the environment, 1,1,1,2-tetrafluoroethane it will rapidly volatilize to the atmosphere.

**Bioaccumulative Potential:** Not expected to bioaccumulate in aquatic organisms.

**Mobility in Soil:** The product is expected to volatilize into the air and therefore will not be found in soil.

**Other Adverse Effects:** None known

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, regional and national regulations. Do not puncture or incinerate containers. When contents are depleted, continue to depress button until all gas is expelled.

### SECTION 14: TRANSPORT INFORMATION

**DOT Shipping Description:** UN1950, Aerosols, 2.2, Limited Quantity

**DOT Technical Name:** None

**DOT Hazard Class:** 2.2

**UN Number:** UN1950

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**DOT Labels Required (49CFR172.101):** LTD QTY

**Hazardous Substance (49CFR172.101):** None

**Reportable Quantity:** N/A

**IMDG Shipping Description:** UN1950, Aerosols, 2.2, FP <-50 C, Limited Quantity

**ID Number:** UN1950

**Hazard Class:** 2.2

**Packing Group:** None

**Labels Required:** None

**Marking Required:** Limited Quantity Mark

**Placards Required:** Limited Quantity Mark On Transport Containers

### SECTION 15: REGULATORY INFORMATION

**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA Hazardous Substances (Section 103)/RQ:** This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Pressure Hazard

**SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:  
None

**EPA TSCA Inventory:** All of the components of this product are listed on the TSCA inventory.

### SECTION 16: OTHER INFORMATION

**Revision Summary:** New SDS

**SDS Date of Preparation/Revision:** December 10, 2015

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