Safety Data Sheet
Non-Flammable Duster

SECTION 1: IDENTIFICATION

Product Name: 246050 - 3.5oz Twin Pk (Non-Flammable Duster with Bitterant)

Manufacturer:
Norazza, Inc.
3938 Broadway St.
Buffalo, NY14227
www.norazza.com

Information Phone Number: (716) 716-1160

Emergency Phone Number: ChemTel Inc. (800)255-3924,

International: +1(813)248-0585

Product Use: Duster – consumer product
Restriction on Use: Use only as directed

SDS Date of Preparation: August 1, 2016

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:
Keep away from heat, sparks, open flames, hot surfaces. – No smoking.
Pressurized container: Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
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

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

SECTION 4: FIRST AID MEASURES

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 slight 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, and carbonyl fluoride.

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. Use shielding to 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: Place leaking can in a pail in a well-ventilated area away until pressure has dissipated. Collect liquid using inert material and place into a suitable container for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Keep product away from heat, direct sunlight and all sources of electricity. Keep out of the reach of children. Do not puncture or incinerate containers. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C. (NFPA 30B) Level 1 Aerosol.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

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

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: Keep away from excessive heat, direct sunlight and open flames. Containers may rupture at temperatures above 120F (50C). Do not puncture or incinerate containers.

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

salts.

Hazardous Decomposition Products: Decomposition may produce carbon oxides, hydrogen fluoride, and carbonyl fluoride.

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

SECTION 12: ECOLOGICAL INFORMATION

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

DOT Technical Name: None
DOT Hazard Class: ORM-D
UN Number: None
DOT Labels Required (49CFR172.101): ORM-D
Hazardous Substance (49CFR172.101): None
Reportable Quantity: N/A
Marking: Containers must be marked "DOT-SP 15146".

IMDG Shipping Description: UN1950, Aerosols, 2.2
ID Number: UN1950
Hazard Class: 2.2
Packing Group: None
Labels Required: None
Marking Required: 2.2
Placards Required: 2.2 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): Sudden Release of Pressure

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: Updated formulation and all sections.

SDS Date of Preparation/Revision: August 1, 2016