

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Multi-Clean Freshence Air Freshener/Deodorizer

Product Class: Aerosol Air Freshener

Emergency Telephone Number: 800-255-3924

Telephone Number for Information: 651-481-1900

Sold by:

Multi-Clean®, A Division of Minuteman International, Inc.

600 Cardigan Road

Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)		
A	Acetone	D	Oily Ester
	CAS #67-64-1		(Mixture)
B	Propane	E	Perfume
	CAS #74-98-6		(Mixture)
C	Isobutane		
	CAS #75-28-5		

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor (concentrate): Aerosol, clear liquid, fresh fragrance

Primary Hazards: Flammable

Potential Health Hazards

Route(s) of Entry: Skin Absorption: Ingestion: Inhalation: X

Eye: May cause irritation on contact.

Skin: May cause slight irritation

Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea. May produce Central Nervous System (CNS) depression.

Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

Signs and Symptoms of Exposure: Inhalation of high vapor concentrations may result in dizziness or other central nervous effects.

Carcinogenicity: NTP? No

IARC Monographs? No

OSHA Regulated? No

Target Organ (s): Skin, eyes, liver and kidneys.

Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.

Health Hazards, Chronic: May cause mucous membrane irritation, overnight headache, and general weakness.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with running water for at least 15 minutes lifting eyelids to ensure complete removal. Obtain immediate medical attention. **If Swallowed:** Unlikely as this product is a mist when used. DO NOT INDUCE VOMITING. Drink two large glasses of water. Obtain immediate medical attention. **Skin Contact:** Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse. **Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Obtain medical attention immediately.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability as per USE CPSC FLAME PROJECTION TEST (aerosols):

NON-FLAMMABLE

Autoignition Temperature: N. Av.

Flash Point (method used): N/A

Flammable Limits: N. Av. LEL N. Av. UEL N. Av.

Extinguishing Media

Water? X	Foam? X	Water Fog?
Alcohol Foam?	CO ₂ ? X	Dry Chemical? X
Vaporizing Liquid?	Other?	

Special Fire Fighting Procedures: Use water spray to keep containers cool to prevent vapor pressure build-up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards: Do not spray near open flame or while smoking. At elevated temperatures over 50°C (120°F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening container structure.

TDG Flammability Classification: Unknown

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: N. Av.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case Material is Released or Spilled:

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

SECTION VII - HANDLING AND STORAGE

Precautions to be taken in Handling and Storing:

Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130°F (55°C) or container may rupture. Store as Level 2 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 VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): Not required if good ventilation is present. Avoid breathing spray mist. If vapor concentration exceeds TLV, use respirator approved by the U.S. Bureau of Mines for organic vapor.

Ventilation: Local Exhaust: Not required

Special: Not required

Mechanical (General): As required to keep vapor level below TLVs and PEL's (Section XI)

Other: Not required

Protective Gloves: Latex, if skin easily irritated.

Eye Protection: Approved safety goggles or glasses recommended.

Footwear: Not required

Other Protective Clothing or Equipment: Impervious clothing to prevent skin contact.

Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A **pH:** N. Av.

Specific Gravity (H₂O = 1): Concentrate only: 0.790

% Volatile: > 95

Vapor Density (Air = 1): N/A

Odor Threshold: N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av.

Oil/Water Distribution

Solubility in Water: Soluble

Coefficient: N. Av.

Vapor Pressure, aerosols (PSIG @ 70°F): 70

Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions to Avoid: Extreme heat, direct sunlight

Incompatibility (materials to avoid): Oxidizing materials, amines

Hazardous Decomposition or By-products: CO₂, CO and other toxic chemicals in small amounts.

Hazardous Polymerization: May occur: Will not occur: X

Conditions to Avoid: Do not store above 50°C (120°F). Keep away from heat, direct sunlight, open flames, arcing welds or sparks. Dropping of containers may cause bursting.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	750 ppm	750 ppm	N. Av.	70,812 mg/m ³ 4 hour, rat	5,800 mg/kg rat, oral
B	1000 ppm	1000 ppm	N. Av.	N. Av.	N. Av.
C	800 ppm	800 ppm	N. Av.	N. Av.	N. Av.
D	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
E	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No conclusive data available.

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations.

RCRA Hazard Class: N. Av.

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: ORM D Consumer commodity

UN Number: N. Ap.

Packing Group: N. Ap.

SECTION XV - PREPARATION DATA

Prepared By: Mike Elms

Telephone Number: 651-481-1900

Date: 5/05

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: N. Av.

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health, chronic health, fire.

Section 313 Toxic Chemicals: None

State Regulations

NOTICE STATE OF CALIFORNIA

Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.

International Regulations

WHMIS Controlled Product Hazard Class: Class A compressed gas, Class D Division 2B, Class B Division 5 flammable aerosol.

SECTION XVII - OTHER INFORMATION: None

N. Ap. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

1 A. Health Hazard 3 A. Fire Hazard 0 A. Reactivity Hazard

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