

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 CAS #67-64-1	D	Oily Ester (Mixture)
B	Propane CAS #74-98-6	E	Perfume (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 (H ₂ O) = 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. Av.					
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: CO ₂ , 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. Av. Packing Group: N. Av.					
SECTION XV - PREPARATION DATA					
Prepared By: Mike Elms			Telephone Number: 651-481-1900		
Date: 10/06					
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. Av. - Not Applicable; N. Av. - Not Available					

NFPA SYSTEM
1 A. Health Hazard _3_ A. Fire Hazard _0_ A. Reactivity Hazard

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