



Empack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571

PRODUCT: Emzone Air Duster - 284 g · 10 oz.

CODE: P7-047020

SECTION 1: IDENTIFICATION

Initial Supplier Identifier..... Empack Spraytech Inc.
Product Item Numbers..... P7-047020
Product Identity..... Emzone Air Duster - 284 g · 10 oz.
24 hour emergency telephone number.... In the event of a transport emergency, contact CANUTEC at 1-613-996-6666. For health emergencies, contact Empack Spraytech Inc. at 1-866-923-2665.
Recommended Use..... Cleans computers, keyboards, printers, electronics, cameras, audio/video products, faxes, telephones, office equipment, and automobiles.
Restrictions on use..... Not available.

SECTION 2: HAZARD IDENTIFICATION



Label Elements:
Signal Word..... WARNING.
Hazard Classification:
Physical Hazards..... Aerosols - Category 3. Gases Under Pressure - Liquefied Gas.
Health Hazards..... Not Classified.
Environmental Hazards..... Not Classified.
Hazard Statement..... H229:Pressurised container: May burst if heated (3). H280:Contains gas under pressure; may explode if heated (L).
Precautionary Statements:
Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251:Do not pierce or burn, even after use.
Response..... None.
Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.
P403:Store in a well ventilated place .
Disposal..... None.
Other hazards known to the supplier..... Not available.
Hazard(s) not otherwise classified (HNOC) Use only as directed.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME & SYNONYMS	CAS #	WT. %
1,1-Difluoroethane		75-37-6	80-100

SECTION 4: FIRST-AID MEASURES

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.
Skin Contact..... Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or physician immediately.
Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Ingestion..... Ingestion is unlikely to occur. If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention.
Most important symptoms/effects, acute .. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct and delayed contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.
Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

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Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
 Unsuitable Extinguishing Media..... Do not use water jet as an extinguisher, as this will spread the fire.
 Specific Hazards Arising from the Chemical In case of fire, the following can be released: Carbon Oxides (CO, CO₂), Other unidentified Organic Compounds.
 Special Protective Equipment and Firefighters must use standard protective equipment including flame retardant coat, helmet
 Precautions for Firefighters with water to prevent vapor pressure build up. For massive fire in cargo area, use
 unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
 General Fire Hazards..... Non-flammable aerosol.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective No action shall be taken involving any personal risk or without suitable training. Evacuate
 Equipment and Emergency Procedures surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid
 walking through spilled material. Avoid breathing vapor or mist. Provide adequate
 ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate
 personal protective equipment (see Section 08).
 Methods and Materials for Containment .. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand,
 and Cleaning Up earth, diatomaceous earth, vermiculite) and place in container for disposal according to
 local/national regulations (see section 13). Eliminate all ignition sources (no smoking,
 flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.)
 away from spilled material.
 Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent
 environmental contamination.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling..... Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is
 missing or defective. Do not spray on a naked flame or any other incandescent material.
 Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut,
 weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
 Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged
 exposure. Use in well-ventilated areas.
 Conditions for Safe Storage including any Pressurized container. Protect from sunlight and do not expose to temperatures exceeding
 Incompatibilities 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open
 flame, heat or other sources of ignition. Store away from incompatible materials (see
 Section 10).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
1,1-Difluoroethane	Not available	Not available	Not available	Not available	Not available	Not available
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.					
Individual Protection Measures:						
Eye/Face Protection.....	Chemical splash goggles are recommended.					
Skin Protection.....	Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing.					
Respiratory Protection.....	Use approved NIOSH respirators for emergencies.					
Thermal Hazards.....	None Known.					
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.					

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Spray mist.
 Colour..... Not available.
 Odour..... Not available.
 Melting Point and Freezing Point (°C)..... -117 °C (-179 °F).
 Boiling point or initial boiling point and -25.0°C (-13.0°F).
 boiling range (°C)
 Flammability..... Not applicable.
 Lower Flammable Limit (% Vol)..... 3.9.
 Upper Flammable Limit (% Vol)..... 16.9.
 Flash Point (°C), Method..... <-50.
 Auto Ignition Temperature (°C)..... 454°C (850°F).
 Decomposition Temperature..... Not available.

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pH..... Not applicable.
 Kinematic Viscosity..... Not available.
 Solubility..... Slightly soluble.
 Partition Coefficient — n-Octanol/Water .. Not available.
 (Logarithmic Value)
 Vapour Pressure (psig)..... 87 @ 25 deg. C.
 Density..... Not available.
 Relative density..... 0.890-0.910.
 Relative Vapour Density >1.
 Particle Characteristics..... Not available.
 Aerosol Flame Projection..... 0 cm.
 Aerosol Ignition Distance..... Not available.
 Flashback..... No.
 VOC Content..... NMT 75.
 Note..... NMT = Not More Than.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product not reactive under normal conditions of use.
 Chemical Stability..... Material is stable under normal conditions.
 Possibility of Hazardous Reactions..... Will not occur.
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.
 Incompatible Materials..... Keep away from heat. Strong oxidizing agents.
 Hazardous Decomposition Products..... See Section 05.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
1,1-Difluoroethane	176 mg/L (Rat - 4 hrs)	Not available
Information on Likely Routes of Exposure: Routes of entry - Inhalation..... Yes. Routes of entry - Skin & Eye..... Yes. Routes of entry - Ingestion..... No. Routes of entry - Skin Absorption..... No. Symptoms Related to the Physical, Irritant effects. Chemical and Toxicological Characteristics Acute Toxicity..... No known significant effects. Skin Corrosion/Irritation..... Based on available data, the classification criteria are not met. Serious Eye Damage/Eye Irritation..... Not classified. Respiratory or Skin Sensitization..... Not classified. Germ Cell Mutagenicity..... No data available to indicate product or any components present at greater than 0.1% are mutagenic. Carcinogenicity..... None of the ingredients are listed as possibly carcinogenic to humans by IARC or ACGIH. Reproductive Toxicity..... No information is available. STOT - Single Exposure..... Not classified. STOT - Repeated Exposure..... Not classified. Aspiration Hazard..... Not classified. Chronic Effects..... No information is available, and no adverse effects are expected.		

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. This product contains the following substance which may also be hazardous for the environment: 1,1-difluoroethane: Fish (Various) LC50-295.783 mg/l (96h), Daphnia magna EC50-146.695 mg/l (48h).
 Persistence and degradability The product itself has not been tested.
 Bioaccumulation Potential..... The product itself has not been tested.
 Mobility in Soil..... The product itself has not been tested.
 Other Adverse Effects..... None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

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SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.
DOT (US-Road).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty., Consumer Commodity, ORM-D.
IMDG (International- Marine).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.
IATA (International- Air).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.
Special precautions in connection with	None known.
transport or conveyance either within or	
outside the premises	
Environmental hazards.....	None known.

SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada Regulations:.....	Compliant to the current Hazardous Products Regulations (HPR).
US Regulations	
California Proposition 65.....	This product is not subject to warning labeling under California Proposition 65.

SECTION 16: OTHER INFORMATION

Disclaimer.....	The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
Abbreviations.....	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
NFPA Storage Level.....	Level 1.
Prepared by	Regulatory Affairs
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