



Empack Spraytech Inc.
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PRODUCT: Emzone Air Duster - 284 g

CODE: P7-047020

SECTION 01: IDENTIFICATION

Manufacturer..... Empack Spraytech Inc.
Product Item Numbers..... P7-047020
Product Identity..... Emzone Air Duster - 284 g
24 hour emergency telephone number..... CANUTEC: 1-613-996-6666.
Recommended Use..... Cleans computers, keyboards, printers, electronics, cameras, audio/video products, faxes, telephones, office equipment, and automobiles.

SECTION 02: 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.
Hazard(s) not otherwise classified (HNOC) Use only as directed.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

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

SECTION 04: 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 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.
and delayed
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.

SECTION 05: FIRE-FIGHTING MEASURES

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.

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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 06: 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 07: 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 08: 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 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.

Physical State..... Spray mist.

Physical Appearance..... Clear, colorless.

Odor..... Slightly ethereal.

Odor Threshold (ppm)..... N/A.

Vapour Pressure (psig)..... 87 @ 25 deg. C.

Specific Gravity 0.890-0.910.

Vapour Density (Air=1)..... >1.

pH..... Not applicable.

Boiling Point liquid (°C)..... -25.0°C (-13.0°F).

Melting/Freezing Point (°C)..... -117 °C (-179 °F).

Flash Point (°C), Method..... <-50.

Aerosol Flame Projection..... 0 cm.

Flashback..... No.

Evaporation Rate (n-Butyl Acetate = 1)..... Not available.

VOC Content..... None .

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Solubility in water..... Slightly soluble.
 Auto Ignition Temperature (°C)..... 454°C (850°F).
 Lower Flammable Limit (% Vol)..... 3.9.
 Upper Flammable Limit (% Vol)..... 16.9.

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.

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.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... Refer to Section 2 for a WHMIS 2015 Classification for this product.
 US Regulations
 California Proposition 65..... This product is not subject to warning labeling under California Proposition 65.

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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.

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