MATERIAL SAFETY DATA SHEET

JOHNSONITE 130 - Resilient Spray Adhesive

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Johnsonite 130 - Reslilient Spray Adhesive

Product Use: Adhesive

Manufacturer/Supplier: Johnsonite
16910 Munn Road
Chagrin Falls, OH 44023

Phone Number: 800-899-8916

Emergency Phone: Chemtrec: 1-800-424-9300

Date of Preparation: April 1, 2011

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION

While most unlikely, product may cause eye, skin and respiratory tract irritation for those who are highly sensitive. Just as breathing anything other than normal ambient air, overexposure of vapors may cause dizziness and CNS depression. Containers, while non-flammable, are pressurized and can burst under fire conditions.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact and inhalation.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Not a normal route of exposure.

Inhalation: May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes and respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This product is a hazardous chemical as defined by NOM-018-STPS-2000.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	UN Number	H / F/ R / Special*	CAS #	Wt. %
1,1-difluoroethane	UN1030	Not available	75-37-6	10 - 30

* Per NOM-018-STPS-2000

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: Move exposed person to fresh air.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable by WHMIS/OSHA criteria.

Means of Extinguishing:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Use water spray to keep fire-exposed containers cool. Containers, while non-flammable, are pressurized. Remove from area if this can be done without risk.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Protection of Firefighters: Firefighters should wear appropriate protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on appropriate personal protective equipment (see Section 8). Ruptured cylinders may rocket.

Environmental Precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Scoop up material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling: Observe good industrial practices. Do not eat, drink or smoke when using the product. Pressurized container: protect from sunlight and do not expose to temperature exceeding 48°C (120ºF). Do not pierce or burn, even after use. Avoid breathing gas. Avoid breathing vapor or mist.

Storage: Store in accordance with local regulations. Protect from freezing and from direct sunlight. Store in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Use appropriate containment to avoid environmental contamination.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient	Exposure Limits OSHA-PEL	ACGIH-TLV
1,1-difluoroethane	Not available.	Not available.

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: As in any construction environment, use approved safety glasses, as described in OSHA 29 CFR 1910.133. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian standards.

Hand Protection: In the event of prolonged or repeated contact with hands, users with sensitive skin should use appropriate gloves.

Skin and Body Protection: Wear appropriate clothing and shoes for the task.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Color:	White.
Odor:	Sweet.
Physical State:	Gas/Pressurized Liquid.
pH:	5.5 - 7.5
Vapor Density:	> 1 (Air = 1)
Specific Gravity:	1.03
Solubility in Water:	Miscible.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers. Nitrates. Chlorine bleach.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	IDLH	LD_{50} (oral)	LC_{50}
1,1-difluoroethane	Not available.	Not available.	977 g/m³ 2hr, mouse

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Ingestion: Not a normal route of exposure.

Inhalation: May cause respiratory tract irritation.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS/OSHA criteria.

Carcinogenicity: Not hazardous by WHMIS/OSHA criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
1,1-difluoroethane	Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No known significant effects or critical hazards.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:
This material must be disposed of in accordance with all local, state, provincial and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification
UN1950, Aerosols, non-flammable, Class 2.2,
ORM-D (< 1L)

TDG Classification
UN1950, Aerosols, non-flammable, Class 2.2,
Limited Quantity (< 1L)

NOM-004-SCT2-1994 Classification
UN1950, Aerosols, non-flammable, Class 2.2,
Limited Quantity (< 1L)

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

Mexico: MSDS prepared pursuant to NOM-018-STPS-2000.

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
1,1-difluoroethane	Not listed.	Not listed.	Not listed.	Not listed.

State Regulations

California Proposition 65:
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

Ingredient	Canada DSL/NDSL	USA TSCA
1,1-difluoroethane	DSL	Yes.

HMIS - Hazardous Materials Identification System

Health - 1* **Flammability -** 0 **Physical Hazard -** 1

NFPA - National Fire Protection Association:

Health - 1 **Fire -** 0 **Reactivity -** 1

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):
Class A - Compressed Gas

WHMIS Hazard Symbols:

Mexico Classification:

Blue = Health **Red = Flammability** **Yellow = Reactivity** **White = Special**

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

Section 16: OTHER INFORMATION

Disclaimer:
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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Prepared by: Johnsonite
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