

# Material Safety Data Sheet

Date of Preparation: 07/01/98

BRAKEEZE

Revision: 06/19/13

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** BRAKEEZE

**Chemical Formula:**

**CAS Number:**

**Other Designations:**

**General Use:**

**Manufacturer:** Mirandy Products, LLC., 1078 Grand Avenue, South Hempstead, NY 11550

(516) 489-6800

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## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Isoparaffinic Hydrocarbon	64741-66-8	60-80
Acetone	67-64-1	10-20
Methylene Chloride	75-09-02	10-20
Carbon Dioxide Propellant	124-38-9	01-05

**Trace Impurities:**  
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Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Isoparaffinic Hydrocarbon	400 ppm	400 ppm	400 ppm	400 ppm	none estab.	none estab.	none estab.
Acetone	750 ppm	750 ppm	750 ppm	750 ppm	none estab.	none estab.	none estab.
Methylene Chloride	50 ppm	50 ppm	50 ppm	50 ppm	none estab.	none estab.	none estab.
Carbon Dioxide Propellant	10,000 ppm	10,000 ppm	10,000 ppm	10,000 ppm	none estab.	none estab.	none estab.

**Toxicity Data:**

## Section 3 - Physical and Chemical Properties

**Physical State:**

**Appearance and Odor:** Clear colorless liquid, solvent odor.

**Vapor Pressure:** 90

**Vapor Density (Air=1):** >1

**Formula Weight:**

**Density:**

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 0.768

**pH:** N/A

**Water Solubility:** moderate

**Other Solubilities:**

**Boiling Point:**

**Freezing/Melting Point:**

**Viscosity:**

**Refractive Index:**

**Surface Tension:**

**% Volatile:** 70%

**Evaporation Rate:**

## Section 4 - Fire-Fighting Measures

**Flash Point:** 19F

**Flash Point Method:**

**Burning Rate:**

**Autoignition Temperature:**

**LEL:**

**UEL:**

**Flammability Classification:** Extremely Flammable spray

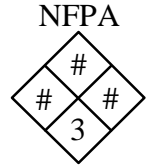
**Extinguishing Media:** Foam, CO2, Dry Media

**Unusual Fire or Explosion Hazards:** Exposure to temperatures above 120F may cause bursting.

**Hazardous Combustion Products:**

**Fire-Fighting Instructions:** Cool fire exposed containers to prevent rupturing.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) and protective clothing.



## Section 5 - Stability and Reactivity

**Stability:** Stable

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Avoid contact with strong oxidizing agents.

**Conditions to Avoid:**

**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride and small amounts of phosgene.

## Section 6 - Health Hazard Information

### Potential Health Effects

**Primary Entry Routes:**

**Target Organs:**

**Acute Effects**

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages; abusive and excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

**Eye:** May cause slight irritation but does not injure eye tissue.

**Skin:** Frequent or prolonged contact may cause irritation.

**Ingestion:** Can cause severe gastrointestinal irritation, nausea, vomiting and diarrhea.

**Carcinogenicity:** Not listed.

**Medical Conditions Aggravated by Long-Term Exposure:**

**Chronic Effects:**

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### Emergency and First Aid Procedures

**Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops, give artificial respiration.

**Eye Contact:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open.

If irritation persists get medical attention immediately.

**Skin Contact:** Wash with soap and water. If irritation persists, seek medical attention.

**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:**

**Special Precautions/Procedures:**

## Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks; heat sources and open flame far away from spill or leak.

**Small Spills:**

**Large Spills**

**Containment:**

**Cleanup:** Cover with absorbent material and sweep up. Wash area to prevent slipping.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

**Disposal:** Follow applicable Federal, state, and local regulations.

**Disposal Regulatory Requirements:**

**Container Cleaning and Disposal:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult federal, state and local authorities for approved procedures.

**Ecological Information:**

**Section 8 - Exposure Controls / Personal Protection**

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** None needed for proper use in accordance with label directions.

**Protective Clothing/Equipment:** Wear chemically protective gloves if repeated skin contact. Wear protective eyeglasses or chemical safety goggles if a splash or spray back may occur.

**Safety Stations:**

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**Section 9 - Special Precautions and Comments**

**Handling Precautions:**

**Storage Requirements:** Keep out of reach of children. For industrial and institutional use only. Store in a cool, dry area, away from heat and open flame. Do not store at temperatures above 120F.

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