

SAFETY DATA SHEET

1. Product and Company Identification

Product Name: Economy Silicone
Product Code: 113718
Product Type: Aerosol
Product Use: Mold Release

Manufacturer: IMS Company
Address: 10373 Stafford Road
Chagrin Falls, OH 44023-5296
WEB www.imscompany.com

Emergency Phone: 800-424-9300
Prepared by: Product Safety Advisor
Prepared/Revised: August 28, 2018
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NOTE: The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We provide this information as guidance for providing personal protection to your employees. The user has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. The user must meet all applicable safety and health standards. We provide this information as guidance for providing personal protection to your employees.

2. Hazard Identification

Classification of substance or mixture:

Aerosols Category 2
Gases under pressure Liquefied gas
Skin Irritation Category 2
Specific target organ
toxicity single exposure Category 3 (Central nervous system)
Aspiration hazard Category 1

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing mist, vapors, spray
P264 Wash thoroughly after handling
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Pictograms:



Signal Word: **Danger**

H223 Flammable aerosol
H280 Contains gas under pressure; may explode if heated
H315 Causes skin irritation
H336 May cause drowsiness or dizziness
H304 May be fatal if swallowed and enters airways

Response:

P301+P310 If Swallowed: Immediately call a poison center or doctor
P331 Do not induce vomiting
P302+P352 If on skin: wash with plenty of soap and water. Call a poison Center/doctor if you feel unwell.
P312 If Inhaled: Remove person to fresh air and keep comfortable for breathing.
P304+P340 If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Store in well ventilated place.
P362 Store locked up.
P403 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
P410+P412 Dispose of contents/container in accordance with local/regional regulations.

Precautionary Statements:

Prevention

3. Composition information on ingredients

Ingredients	CAS #	Percent
1,1,-Difluoroethane (HFC-152a)	75-37-6	35-60 %
Dimethyl Ether	115-10-6	35-60 %
Light hydrotreated Distillate	68410-97-9	0.1-15 %
Dimethylpolysiloxane	63148-62-9	.05-10

4. First Aid Measures

Eye Contact:

Flush with warm water for 15 minutes. Seek medical attention.

Skin Contact:

Wash with soap and water. Remove any contaminated clothing and laundry before reusing. If irritation persists, seek medical attention.

Inhalation:

Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

Ingestion:

Do not induce vomiting. Get medical attention immediately. DO NOT GIVE AN UNCONCIOUS OR CONVULSING PERSON ANYTHING BY MOUTH!

5. Fire Fighting Measures

Flash Point: Flash point of propellant <0 degrees F.

Flammable limits in air, % by volume:

Upper: 18 % (VOL.) Gas in air (propellant portion)
Lower: 3.4 % (VOL.) Gas in air (propellant portion)

Extinguishing Media:

Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

Special Fire Fighting Procedures:

At elevated temperatures (over 130F) aerosol container may burst, vent or rupture; use equipment or shielding to protect personnel. Cooling exposed containers with streams of water may be helpful. Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire.

Unusual Fire & Explosion Hazards:

This material may be ignited by extreme heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will

6. Accidental Release Measures

Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by

vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

7. Handling and Storage

Handling:

Store below 120°F in cool, dry area, out of direct sunlight and away from strong oxidizers. Do not puncture or burst. Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers Do not incinerate

Storage:

Store in a cool, dry area, away form heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

8. Exposure Controls / Personal Protection

Protective Equipment:

Use synthetic gloves if necessary to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

Engineering Controls:

General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

Respiratory Protection:

Use adequate ventilation to maintain exposure limits. If the exposure limits of the products or any of its components is exceeded, an approved organic vapor mask should be used (consult your safety equipment supplier). Above 1000 ppm, an approved self-contained breathing apparatus or airline respirator with full face-piece is required

Other Suggested Equipment:

Eye wash station and emergency showers should be available. Spill containment equipment should be available.

Discretion Advised:

We. take no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

Exposure guidelines:

Ingredients	CAS #	Percent	Exposure Limits
1,1,-Difluoroethane (HFC-152a)	75-37-6	35-60 %	1000 ppm 8 hour TWA (1)
Dimethyl Ether	115-10-6	35-60 %	1000 ppm 8 hour TWA (1)
Light hydrotreated Distillate	68410-97-9	0.1-15 %	OSHA (TWA) 8h 300 ppm ACGIH (TWA) 8h 100 ppm
Dimethylpolysiloxane	63148-62-9	.05-10	NE

(1) Supplier Acceptable Exposure Limit

9. Physical and Chemical Properties

Appearance: Clear mist as dispensed from aerosol can. **Odor:** Negligible
Evaporation Rate: Ether = 1 Slower
PH: NA **Melting/Freezing point:** NE
Initial Boiling point and boiling range: NE **Flash Point:** Flash point of propellant <0°F
Flammability: Flammable **Vapor pressure:** >30 psi **Vapor density** >1 (Air=1)
Relative density NE **Solubility:** negligible
Partition coefficient: NE **Auto-ignition temperature:** NE
Decomposition temperature: NE **Viscosity:** NA
Flammable limits in air, % by volume:
Upper: 18 % (VOL.) Gas in air (propellant portion)
Lower: 3.4 % (VOL.) Gas in air (propellant portion)

10. Stability and Reactivity

Stability: Stable **Conditions to Avoid:** Heat, spark, and open flame
Incompatibility: Strong-Oxidizing Agents
Hazardous Decomposition: Combustion will produce Carbon Monoxide, Carbon Dioxide and nitrogen-oxygen compounds.
Hazardous Polymerization: Will not occur

11. Toxicological Information

Component Toxicological Information: Acute dermal toxicity LD 50 Rabbit > 2,000 mg/kg
Light hydrotreated Distillate 68410-97-9 Irritation/Corrosion: skin – Edema Rabbit 1.89
Acute oral toxicity LD 50 Rat: > 5.17 g/kg Specific target organ toxicity (single exposure) Category 3 narcotic effects
Acute Inhalation toxicity LC 50 Rat: >5.2 mg/l 4 h
Dimethyl Ether 115-10-6 Inhalation LC50: 164,000 ppm in rats 4 h
HFC-152a 75-37-6 Oral ALD >1500 mg/kg in rats
Inhalation ALC 4 hour 383,000 ppm in rats

Irritation/Corrosion: skin – Edema Rabbit 1.89

12. Ecological Information

Toxicity to fish	LC50 / 96 h / Fish (unspecified species): 295,783 mg/l
Toxicity to aquatic invertebrates 115-10-6	EC50 / 48 h / Daphnia: 146,695 mg/l
Toxicity to fish	LC50/96 h/Poecilia reticulata (guppy): >4000 mg/l
Toxicity to aquatic invertebrates	EC50/48 h/Daphnia: >4000 mg/l LC50/48 h/Daphnia: 755,549 mg/l
Chronic toxicity to fish	Due to its physical properties, there is no potential for adverse effects.

13. Disposal Considerations

Do not puncture or burn containers. Give empty, leaking, or full containers to disposal service equipped to handle and dispose of aerosol (pressurized) containers. Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete. Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

14. Transport Information

Aerosols (limited quantity),
Class 2.1, ERG 126

AIR (IATA)
Aerosols (limited quantity),
Class 2.1, ERG 126, UN No. 1950

Vessel
Aerosol (Limited Quantity), Class 2.1, UN
No 1950

15. Regulatory Information

Environmental Regulations

SARA 302/304:
None

SARA 311/312:
Immediate (x) Delayed () Fire (x) Reactive () Sudden Release of Pressure (x)

Section 313
None

All the chemicals used in this product are TSCA listed.
Check with your local regulators to be sure all local regulations are met.

16. Other Information

Hazard ratings This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

NFPA: Level 1 Aerosol

HMIS: Health: 2 Flammability: 4 Reactivity: 0

RATING: 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT

Note:
For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We make no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an SDS does not indicate that the possessor of the SDS was a purchaser or user of the subject product.