

## **SAFETY DATA SHEET**

### **1. Product and Company Identification**

**Product Name:** 3 % Silicone Speed Mist  
**Product Code:** 165730      **Product Type:** Aerosol  
**Product Use:** Mold Release

**Manufacturer:** IMS Company      Emergency Phone      800-424-9300  
**Address:** 10373 Stafford Road      Prepared by      Product Safety Advisor  
Chagrin Falls, OH 44023-5296      Prepared/Revised      August 7, 2015  
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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:**  
Gases under pressure      Liquefied gas (Simple Asphyziant)

**GHS Label Elements:**



**Signal Word:**      **Warning**

**Hazard Statements:**  
H280      Contains Gas under pressure; may explode if heated

**Response**

P405      Store locked up  
P410 + P403      Protect from sunlight. Store in well ventilated place.  
P501      Dispose of contents/ container to an approved waste disposal plant.

### **3. Composition of Ingredients**

<b>Ingredients</b>	<b>CAS #</b>	<b>Percent</b>
Trans-1,3,3,3-Tetrafluoroprop-1-ene	1645-83-6	60-80
Trans-1-Chloro-3,3,3-trifluoropropene	102687-65-0	15-45
Dimethylpolysiloxane	63148-62-9	1-10
Carbon Dioxide	124-38-09	1-5%

## 4. First Aid Measures

### Eye Contact:

Flush with warm water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

### Skin Contact:

Wash with soap and water. Remove any contaminated clothing and launder 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:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

## 5. Fire Fighting Measures

**Flash Point:** None

### Flammable limits in air, % by volume:

**Upper:** No Information

**Lower:** No Information

### 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.

### 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 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.

## 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 Exposure limits, 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 #		Exposure Limits
Trans-1,3,3,3-Tetrafluoroprop-1-ene	1645-83-6	60-80	1000 ppm TWA (supplier)
Trans-1-Chloro-3,3,3-trifluoropropene	102687-65-0	15-45	NE
Dimethylpolysiloxane	63148-62-9	1-10	NE
Carbon Dioxide	124-38-09		OSHA Z-1 (TWA) 5,000 ppm ACGIH (TWA) 5,000 ppm

## 9. Physical and Chemical Properties

**Appearance:** Clear mist as dispensed from aerosol tank

**Evaporation Rate:** Ether = 1 Slower

**PH:** NA

**Initial Boiling point and boiling range:** NE

**Flammability:** Flammable

**Vapor density** >1 (Air=1)

**Relative density** NE

**Partition coefficient:** NE

**Decomposition temperature:** NE

**Flammable limits in air, % by volume:**

**Upper:** NA

**Lower:** NA

**Odor:** Negligible

**Melting/Freezing point:** NE

**Flash Point:** Flash point of propellant <0°F

**Vapor pressure:** >30 psi

**Solubility:** negligible

**Auto-ignition temperature:** NE

**Viscosity:** NA

## 10. Stability and Reactivity

**Stability:** Stable

**Conditions to Avoid:** Heat, spark, and open flame

**Incompatibility:** Strong-Oxidizing Agents

**Hazardous Decomposition:** May form carbon dioxide and carbon monoxide, Chlorine, hydrogen chloride, Phosgene, hydrocarbons.

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

### Component Toxicological Information:

#### Acute Oral

No data

#### Acute inhalation toxicity

Trans-1,3,3,3-Tetrafluoroprop-1-ene

LC50 Rat Dose > 965 mg/l > 207000 ppm 4 h

Trans-1-Chloro-3,3,3-trifluoropropene

LC50 Rat Dose 120000 ppm 4 h

#### Acute Dermal

Trans-1,3,3,3-Tetrafluoroprop-1-ene

Rabbit no irritation OECD test Guideline 404

Trans-1-Chloro-3,3,3-trifluoropropene

Rabbit no irritation OECD guideline 404 4 h

## 12. Ecological Information

### ECOTOXICOLOGICAL INFORMATION:

#### Toxicity to fish

Trans-1,3,3,3-Tetrafluoroprop-1-ene

NOEC >117 mg/l 96 h cyprinus carpio (Carp)

Trans-1-Chloro-3,3,3-trifluoropropene

LC50 38 mg/l 96h Oncorhynchus mykiss(rainbow trout)

#### Toxicity to daphnia and other aquatic invertebrates

Trans-1,3,3,3-Tetrafluoroprop-1-ene

EC50: > 160 mg/L 48h Daphnia magna (water flea)

Trans-1-Chloro-3,3,3-trifluoropropene

EC50: 82 mg/L 48h Daphnia magna (water flea)

### **Toxicity tot algae**

Trans-1,3,3,3-Tetrafluoroprop-1-ene  
Trans-1-Chloro-3,3,3-trifluoropropene

NOEC > 170 72h Algae  
EC50 106.7 mg/L 72h Pseudokirchneriella subcapitata (green algae)

### **Not readily biodegradable**

## **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**

Ground (US DOT) & Vessel

UN3163 Liquefied Gas, N.O.S.  
(TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE/  
TRANS-1-CHLORO-3,3,3-TRIFLUOROPROPENE), 2.2

## **15. Regulatory Information**

### **Environmental Regulations**

#### **SARA 302/304:**

None

#### **SARA 311/312:**

Acute health hazard  
Sudden Release of Pressure

#### **Section 313**

This product contains: None reportable

**CELCRA None**

**California Prop. 65 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: 1 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.