

## **SAFETY DATA SHEET**

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

**Product Name: 3% Silicone A4 and Silicone Mist A4 Tanks**  
**Product Code: 131392, 131407, 131409, 131411** Product Type: Aerosol  
**Product Use: Mold Release**

|  |                  |  |
|--|------------------|--|
| <b>Manufacturer:</b> IMS Company                               | Emergency Phone  | 800-424-9300   |
| <b>Address:</b> 10373 Stafford Road                            | Prepared by      | Product Safety Advisor   |
| Chagrin Falls, OH 44023-5296                                   | Prepared/Revised | March 24, 2015   |
| WEB <a href="http://www.imscompany.com">www.imscompany.com</a> | E-mail           | <a href="mailto:sales@imscompany.com">sales@imscompany.com</a> |

**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 |
| Skin irritation                                  | Category 2    |
| Eye irritation                                   | Category 2A   |
| Germ cell mutagenicity                           | Category 2    |
| Carcinogenicity                                  | Category 1    |
| Specific target organ toxicity - single exposure | Category 2    |

**GHS Label Elements:**



**Signal Word: Danger**

**Hazard Statements:**

|      |  |
|------|--|
| H280 | Contains Gas under pressure; may explode if heated |
| H315 | Causes skin irritation.                            |
| H319 | Causes serious eye irritation.                     |
| H341 | Suspected of causing genetic defects.              |
| H350 | May cause cancer.                                  |
| H371 | May cause damage to organs.                        |

**Prevention**

|      |   |
|------|---|
| P201 | Obtain special instructions before use.                                   |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P281 | Use personal protective equipment as required.                            |
| P260 | Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.                     |

P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/ physician.  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
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

| Ingredients                      | CAS #      | Percent |
|----------------------------------|------------|---------|
| Trichloroethylene                | 79-01-6    | 40-60%  |
| 1,1,1,2-Tetrafluoroethane (134a) | 811-97-2   | 40-60 % |
| Dimethylpolysiloxane             | 63148-62-9 | .05-10  |
| 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:**

| <b>Ingredients</b>              | <b>CAS #</b> | <b>Exposure Limits</b>   |
|---------------------------------|--------------|--|
| Trichloroethylene               | 79-01-6      | OSHA Z2 (TWA) 100 ppm<br>OSHA Z2 (Ceiling) 200 ppm<br>OSHA Z2 (Max) 300 ppm<br>ACGIH (TWA) 10 ppm<br>ACGIH (STEL) 25 ppm |
| ,1,1,2-Tetrafluoroethane (134a) | 811-97-2     | Supplier (TWA) 1000 ppm  |
| Dimethylpolysiloxane            | 63148-62-9   | NE   |
| Carbon Dioxide                  | 124-38-09    | OSHA Z-1 (TWA) 5,000 ppm<br>ACGIH (TWA) 5,000 ppm  |

## 9. Physical and Chemical Properties

**Boiling Point:** NA  
**Vapor Density:** >1(Air=1)  
**Odor/Appearance:** Cleat mist as dispensed from aerosol can.  
Odor of chloroform  
**Evaporation Rate:** Ether = 1 Slower  
**Specific Gravity:** >1  
**Water Solubility:** Negligible

## 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 toxicity

TRICHLOROETHYLENE LD 50 Rat: 4,920 mg/kg

#### Acute inhalation toxicity

TRICHLOROETHYLENE LC 50 Rat: 12000 ppm, 4 h  
1,1,1,2-Tetrafluoroethane (134a) LC50 Rat > 500000 ppm 4 h

#### Acute dermal toxicity

TRICHLOROETHYLENE LD 50 Rabbit: > 20 g/kg

#### Germ cell mutagenicity

Laboratory experiments have shown mutagenic effects. In vitro tests showed mutagenic effects.

#### Carcinogenicity

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP or EPA classification.

Possible human carcinogen

IARC: 2A-Group 2A: Probably carcinogenic to humans (trichloroethylene)

NTP: Reasonably anticipated to be a human carcinogen (trichloroethylene)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## 12. Ecological Information

### ECOTOXICOLOGICAL INFORMATION:

TRICHLOROETHYLENE Extreme toxicity.

LC50: 52 ppm (96 hr, Sheepshead Minnow)

LC50: 14 ppm (96 hr, Mysid Shrimp)

EC50: 95 ppm (96 hr, Marine Alga)

### ENVIRONMENTAL FATE:

No data at this time.

## 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  
Compressed Gas NOS ( Carbon Dioxide/  
1,1,1,2-Tetrafluoroethane/Trichloroethylene)  
Class 2.2 Non-flammable Gas,  
UN 1956  
ERG #12

## 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

This product contains:

Trichloroethylene ` 76-01-6 96%

#### CELCRA

Trichloroethylene ` 76-01-6 96%

**California Prop. 65**

WARNING: This product contains a chemical known in the State of California to cause cancer.  
Trichloroethylene

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: 2 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.