



**SECTION 1: IDENTIFICATION**

PRODUCT IDENTIFIER

Product Name        Silicone Spray Mold Release  
  
Product Code        A-503  
  
Intended Use(s)     Lubrication of a mold to allow for easier demolding

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

Factor II, Incorporated  
5642 White Mountain Ave Lakeside  
AZ 85929  
928-537-8387  
[www.factor2.com](http://www.factor2.com)  
[sales@factor2.com](mailto:sales@factor2.com)

EMERGENCY TELEPHONE NUMBERS

Factor II, Incorporated  
928-368-7502

**SECTION 2: HAZARD(S) IDENTIFICATION**

**Classification of substance or mixture:**

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

**Label Elements - Pictograms, Signal Word, Hazard Statements, Precautionary Statements, & supplemental Information**



**Signal word**

Danger

**Hazard statements:**

Hazards Statements  
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



**Precautionary statements:**

**Precautionary Statements**

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  
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.

**Response:**

**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.  
P312 Call a poison Center/doctor if you feel unwell.  
P304+P340 If Inhaled: Remove person to fresh air and keep comfortable for breathing.  
P332+P313 If skin irritation occurs: Get medical advice / attention.  
P362+P264 Take off contaminated clothing and wash before reuse..  
P403+P233 Store in well ventilated place Keep container tightly closed.  
P410+P412 Protect from sunlight. Don not expose to temperatures exceeding 50°C/122°F  
P501 Dispose of contents/container in accordance with local/regional regulations.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Name	Product Identifier CAS No	%
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%

**SECTION 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 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:**

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

**SECTION 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.

**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.

**SECTION 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.

**SECTION 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 from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

**SECTION 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 300ppm ACGIH (TWA) 8h 100 ppm
Dimethylpolysiloxane	63148-62-9	.05-10 %	NE

(1) Supplier Acceptable Exposure Limit

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Clear mist as dispensed from aerosol can..



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

**SECTION 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

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Component Toxicological Information:**

**Light hydrotreated Distillate 68410-97-9**

Acute oral toxicity	LD 50 Rat: > 5.17 mg/kg
Acute Inhalation toxicity	LC 50 Rat: >5.2 mg/l 4 h
Acute dermal toxicity	LD 50 Rabbit > 2,000 mg/kg
Irritation/Corrosion	Skin – Edema Rabbit 1.89
Specific target organ toxicity (single exposure)	Category 3 narcotic effects

**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



**SECTION 12: ECOLOGICAL INFORMATION**

**75-37-6**

**Toxicity to fish:** LL50/96 h Fish (unspecified species): 295.783 mg/l  
**Toxicity to aquatic Invertebrates.** EC50/ 48 h Daphnia: 146,695 mg/l

**115-10-6**

**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.

**SECTION 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.

**SECTION 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

**SECTION 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.

**SECTION 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

**PATENT WARNING:**

Factor II Technology disclaims any expressed or implied warranty against the infringement of any patent. Factor II does not warrant that the use or sale of the products described herein will not infringe the claims of any U.S. patents or other country's patents covering the product itself or the use in combination with other products or in the operation of any process.

**WARNINGS ABOUT PRODUCT SAFETY:**

Factor II technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials.

Factor II cannot know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any application. It is the user's responsibility to adequately test and determine the safety and suitability for their application. Factor II makes no warranty concerning fitness for any use or purpose. There has been no testing done by Factor II to establish safety of use in any medical application. Factor II has tested this material only to determine if the product meets the applicable specification. When considering the use a Factor II product in a particular application, you should review the latest Material Safety Data Sheets and contact Factor II for any questions about product safety information you may have.

**IT IS RECOMMENDED THAT THE PURCHASER THOROUGHLY TEST ANY APPLICATION PRIOR TO FULL SCALE PRODUCTION OR COMMERCIALIZATION. INFORMATION CONTAINED IN THIS TECHNICAL PROFILE SHOULD NOT BE TAKEN AS INDUCEMENT TO FRINGE ANY PATENT. FACTOR II WARRANTS ONLY THAT ITS PRODUCTS MEET ITS SPECIFICATIONS. THERE IS NO WARRANTY OF MERCHANTABILITY OF FITNESS FOR USE OR ANY OTHER WARRANTIES EXPRESS OR IMPLIED. FACTOR II MAKES NO GUARANTEE OF SATISFACTORY RESULTS**

***DISCLAIMER / STATEMENT OF LIABILITY:***

*This is to certify that the above designated material has been tested and did comply with the listed specifications (with listed exceptions) when supplied in original container. The material is subject to the conditions listed on the invoice. The above is a copy of information on file. The lot acceptance data are available for examination. This is a computer-generated document that is valid without a signature. The information above is supplied in good faith and, to the best of our knowledge, is based on available sources believed to be reliable and accurate. This document and any information provided herein are for your guidance only. The use by the requestor is beyond Factor II control; therefore, the responsibility for appropriate and safe use of the above information lies with the End user. Factor II shall not be responsible for any misuse and/or misapplication of the information in this document. Factor II is a distributor of this product not the manufacture. Factor II will warrant this product 6-months from the ship date, some restrictions apply.*