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 PO
Box 1339
5642 White Mountain Ave Lakeside
AZ 85929
928-537-8387
800-332-8688
www.factor2.com
sales@factor2.com

EMERGENCY TELEPHONE NUMBERS

Factor II, Incorporated

Americas	:	1 928 537 8387
Europe	:	(+) 1 928 537 8387
Asia Pacific	:	(+) 1 928 537 8387
Middle East / Africa	:	(+) 1 928 537 8387
Australia	:	(+) 1 928 537 8387
China	:	(+) 1 928 537 8387

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of substance or mixture:

Aerosols	Category 2
Gases under pressure	Liquefied gas
Acute toxicity (inhalation)	Category 4
Skin Irritation	Category 2
Eye Irritation	Category 2A
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2
Specific target organ Toxicity single exposure	Category 3 (Central nervous system)
Aspiration hazard	Category 1

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

Signal word Danger

Hazard statements:

Hazards Statements
H223 Flammable aerosol
H229 Pressurized container, may burst if heated
H280 Contains gas under pressure; may explode if heated
H332 Harmful if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation
H340 May cause genetic defects
H350 May cause cancer
H361 Suspected of damaging fertility or the unborn child
H336 May cause drowsiness or dizziness
H304 May be fatal if swallowed and enters airways

Precautionary statements :

Precautionary Statements
P201 Obtain special instructions before use
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
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.
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.
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
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 %
Aliphatic Petroleum Distillate	64742-89-8	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)
Aliphatic Petroleum Distillate	64742-89-8	0.1-15 %	OSHA (TLV) 500 ppm ACGIH (TLV) 500 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..
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)

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:

Aliphatic Petroleum Distillate 64742-89-8

Acute oral toxicity	LD 50 Rat: > 5,000 mg/kg
Acute Inhalation toxicity	LC 50 Rat: 7.6 mg/l 4 h
Acute dermal toxicity	LD 50 Rabbit > 2,000 mg/kg

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

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

Possible human carcinogen

IARC: Group 1 Carcinogenic to humans (Benzene) Group 2B Possible carcinogenic to humans, (Aliphatic petroleum distillate, Ethybenzene)
NTP: Known human carcinogen (Benzene)
OSHA: Specifically regulated carcinogen (Benzene)

SECTION 12: ECOLOGICAL INFORMATION

110-54-3

Toxicity to fish:	LL50 (fish): 8.2 mg/l 96 h
Toxicity to daphania and other aquatic Invertebrates.	EL50(Daphnia magna (Water flea): 4.5 mg/l 48 h
Toxicity to algae:	EL50 (pseudokerchneriella subcapitata (green algae)): 3.7 mg/l 96 h

75-37-6

Toxicity to fish	LC50 / 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 reticulate (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

California Prop. 65:

Aliphatic Petroleum Distillate 64742-89-8

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

WARNING: this product contains a chemical known in the State of California to Cause birth defects or other reproductive harm: BENZENE, TOLUENE

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

DISCLAIMER / STATEMENT OF LIABILITY:
Factor II, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and/or fire prevention as necessary or appropriate to the use and understanding of the data contained in this SDS. To promote safe handling each customer or recipient should 1) notify and furnish its employees, agents, contractors, customers and/or others whom it knows or believes will use this material of the information regarding hazards or safety, and 2) request its customers to notify their employees, customers and other users of the product of this information.