

SAFETY DATA SHEET.

Issuing date 14-Mar-2017

Revision Date 10-Aug-2018

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name MV-127 MULTI VISCOS.SILICONE

Recommended use of the chemical and restrictions on use

Product code F03241

Product Type Extremely Flammable Aerosol
Synonyms None

Supplier's details

Recommended Use .
Uses advised against No information available

Manufacturer:
Plastic Process Equipment,Inc.
8303 Corporate Park Dr.
Macedonia, Ohio 44056
Phone: 800-321-0562

Emergency telephone number
Chemical Emergency Phone Number CHEMTREC: 1-800-262-8200 ID 1195 (UNITED STATES)

2. HAZARDS IDENTIFICATION

Classification


Skin corrosion/irritation	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

GHS Label elements, including precautionary statements

Emergency Overview

DANGER

Hazard Statements
 Causes skin irritation.
 Suspected of damaging fertility or the unborn child
 May cause respiratory irritation. May cause drowsiness or dizziness.
 May cause damage to organs (Eyes, Skin, Respiratory System, Central Nervous System, and Peripheral Nervous System) through prolonged and repeated exposure.
 May be fatal if swallowed and enters airways.
 Extremely Flammable Aerosol
 Contains gas under pressure; may explode if heated



Appearance **Physical state** Aerosol **Odor** Solvent

Precautionary Statements - Prevention

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Wear protective gloves, protective clothing, eye protection, face protection.
 Wash face, hands and any exposed skin thoroughly after handling.
 Do not breathe dust, fume, gas, mist, vapors, spray.
 Use only outdoors or in a well-ventilated area.
 Keep away from heat, sparks, open flames, hot surfaces - No smoking.
 Do not spray on an open flame or other ignition source.
 Pressurized container: Do not pierce or burn, even after use.

Precautionary Statements - Response

If exposed or concerned: Get medical advice, attention.
 Specific treatment (see first aid on this label).
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation occurs: Get medical advice, attention.
 Take off contaminated clothing and wash it before reuse.
 IF INHALED : Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTER or doctor, physician if you feel unwell.
 IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician.
 Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Protect from sunlight
 Do not expose to temperatures exceeding 122°F (50°C)

Precautionary Statements - Disposal

Dispose of contents, container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

None

Other information

0.0000028% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
1,1-DIFLUOROETHANE	75-37-6	50-60
DIMETHYLEETHER	115-10-6	30-40
HEXANE	110-54-3	10-20
DIMETHYL POLYSILOXANE	63148-62-9	1-10

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice	Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If eye irritation persists, consult a doctor.
Skin contact	Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
Ingestion	Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

Most important symptoms/effects, acute and delayed

Main Symptoms	Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.
----------------------	--

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Treat symptomatically.
---------------------------	------------------------

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog.Dry chemical. Foam.Carbon dioxide (CO2). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire. Keep away from sources of ignition - No smoking.

Specific hazards arising from the chemical

Extremely Flammable / Flammable. Keep containers and surrounding areas cool with water spray. Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate ventilation to keep the exposure levels below the OELS. Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions

Environmental precautions Vapors can accumulate in low areas. Do not flush into surface water or sanitary sewer system. Report spills as required by local and federal regulations. Do not allow material to contaminate ground water system. Should not be released into the environment.

Methods and materials for containment and cleaning up

Methods for Containment Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods for cleaning up Soak up with inert absorbent material. Contain liquid and collect with an inter, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly . After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible products Strong acids, alkalis, oxidizing agents.

Aerosol Level 1

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,1-DIFLUOROETHANE 75-37-6	TWA 1000 PPM 8 hours	-	-
DIMETHYLETHER 115-10-6	STEL: 500 PPM TWA: 400PPM	TWX: 400 PPM TWA: 1200 mg/m ³	IDLH: 1900 PPM (10 % LEL)
HEXANE 110-54-3	TWA: 50 ppm Skin - potential significant contribution to overall exposure by the cutaneous route	TWA: 500 ppm TWA: 1800 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m ³	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m ³

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls

Engineering Measures Ventilation systems. Use adequate ventilation to keep the exposure levels below the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side-shields.
Skin and body protection	Chemical resistant apron. Protective gloves.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state	Aerosol	Odor	Solvent
Appearance		Odor Threshold	
Color	Clear		
Property	Values	Remarks • Methods	
pH	No information available		
Melting/freezing point	No information available		
Boiling point/boiling range			
Flash Point	-50 °C / -58 °F	Based on propellant	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
upper flammability limit			
lower flammability limit			
Vapor pressure			
Vapor density			

Specific Gravity	0.794
Water solubility	None
Partition coefficient: n-octanol/water	
Autoignition temperature	No information available
Decomposition temperature	
Viscosity	No information available
Explosive properties	

Other information

VOC Content(%)	31.81
-----------------------	-------

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Strong acids, alkalis, oxidizing agents.

Hazardous Decomposition Products

Carbon oxides , Hydrocarbons, Fumes.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	May cause respiratory irritation, May cause drowsiness or dizziness.
Eye contact	Eye irritation may occur if excessive exposure to product occurs.
Skin contact	Causes skin irritation.
Ingestion	May be fatal if swallowed and enters airways.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
DIMETHYLETHER 115-10-6	-	-	= 308.5 mg/L (Rat) 4 h
HEXANE 110-54-3	= 25 g/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h
DIMETHYL POLYSILOXANE 63148-62-9	> 24 g/kg (Rat)	-	-

Information on toxicological effects**Symptoms**

Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs (listed below) through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Irritating to skin.
Eye damage/irritation	Under normal conditions there is no eye irritation . Excessive conditions to product may cause eye irritation.
Sensitization	Not a known sensitizer.
Germ Cell Mutagenicity	Not a germ cell mutagen.
Carcinogenicity	There are no known carcinogenic chemicals in this product.
Reproductive toxicity	This product contains a chemical(s) which is a known or suspected reproductive hazard .
Specific target organ systemic toxicity (single exposure)	May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ systemic toxicity (repeated exposure)	May cause damage to target organs listed below through prolonged and repeated exposure.
Chronic toxicity	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.
Target Organ Effects	Eyes, Skin, Respiratory System, Central Nervous System, and Peripheral Nervous System.
Neurological effects	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
Aspiration hazard	May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	0.0000028% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document .	
ATEmix (oral)	177014 mg/kg
ATEmix (dermal)	21242 mg/kg
ATEmix (inhalation-gas)	78604 mg/l
ATEmix (inhalation-vapor)	339866 mg/l

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
HEXANE 110-54-3	-	2.1 - 2.98 mg/L LC50 Pimephales promelas 96h flow-through	-	-
DIMETHYL POLYSILOXANE 63148-62-9	-	-	-	>10,000mg/L EC50 Daaphina magna 48 h

Persistence and degradability

.

Bioaccumulation

.

Chemical Name	log Pow
DIMETHYLETHER 115-10-6	-0.18

Other adverse effects No information available**13. DISPOSAL CONSIDERATIONS****Waste treatment**

Waste Disposal Methods	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations. Dispose of in accordance with federal, state, and local regulations. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261.) Dispose of in accordance with federal , state, and local regulations.
Contaminated packaging	Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground	CONSUMER COMMODITY ORM-D or LIMITED QUANTITY
IATA	UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD.QTY.
IMDG	UN1950, AEROSOLS, 2.1, LTD.QTY

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
1,1-DIFLUOROETHANE	X	X	X	X	X	X	X	X
DIMETHYLETHER	X	X	X	X	X	X	X	X
HEXANE	X	X	X	X	X	X	X	X
DIMETHYL POLYSILOXANE	X	X	Not listed	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
HEXANE - 110-54-3	110-54-3	10-20	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
HEXANE 110-54-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical Name	California Prop. 65
HEXANE - 110-54-3	Male Development 10-20%

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
1,1-DIFLUOROETHANE 75-37-6	X	X	
DIMETHYLEETHER 115-10-6	X	X	X
HEXANE 110-54-3	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 4	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 2*	Flammability 4	Physical Hazard 1	Personal protection B
<i>Chronic Hazard Star Legend</i>		<i>Repeated or prolonged exposure may cause central nervous system damage</i>		

Issuing date 14-Mar-2017
Revision Date 10-Aug-2018
Revision Note

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet