

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

075122411

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

075122908 075123393 075123435 075123443 075123450 075123468 075123500 075123518 075123591

Mizzy, Inc.  
Manufacturer\* MSDS Number:

Interperson Dental Supply Product Code:  
75123518, 75122411

\*\*\*\*\*  
SECTION 1 : Chemical Product and Company Identification  
\*\*\*\*\*

MSDS Name: Pressure Indicator Paste (PIP)

Manufacturer Name: Mizzy, Inc.

Address:

616 Hollywood Avenue  
Cherry Hill, NJ 08002

Emergency Telephone Number: 800-535-5053

Business Phone: 856-663-4700

For information in North America, call: 856-663-4700

Manufacturer MSDS Revision Date:

July 2002

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

\*\*\*\*\*  
SECTION 2 : Hazardous Ingredients/Identity Information  
\*\*\*\*\*

Hazardous Paragraph:

No Hazardous Materials Present

Formula: Dimethylpolysiloxane and Zinc Oxide Proprietary  
CAS Reg: 1314-13-2

\*\*\*\*\*  
SECTION 3 : Physical And Chemical Characteristics  
\*\*\*\*\*

Physical State/Appearance:

Tenacious paste

Color:

White

Vapor Pressure:

(mm Hg.): @ 25 deg C Nil  
Vapor Density:  
(AIR=1): 1  
Boiling Point:  
300 deg C  
Melting Point:  
@ 150 deg C  
Solubility:  
In Water: None  
Specific Gravity:  
(H2O = 1): 1.10  
Evaporation Point:  
(Butyl Acetate = 1): Nil  
FlashPoint:  
Not available

\*\*\*\*\*  
SECTION 4 : Fire And Explosion Hazards  
\*\*\*\*\*

Flash Point:  
Not available  
Flash Point Method:  
Not available  
Extinguishing Media:  
Foam dry chemical or carbon dioxide if it indeed will burn  
Fire Fighting Instructions:  
None  
Unusual Fire Hazards:  
None

\*\*\*\*\*  
SECTION 5 : Health Hazards  
\*\*\*\*\*

Applies to All Ingredients:  
Route of Exposure:  
Not Applicable  
Carcinogenicity:  
Not Applicable  
Signs/Symptoms:  
Not Applicable  
Aggravation of Pre-Existing Conditions:  
Not Applicable

\*\*\*\*\*  
SECTION 6 : Emergency And First Aid Procedures  
\*\*\*\*\*

Other First Aid:  
Not Applicable

\*\*\*\*\*  
SECTION 7 : Reactivity Data  
\*\*\*\*\*

Chemical Stability:  
Stable

Hazardous Polymerization:  
Will Not Occur

\*\*\*\*\*  
SECTION 8 : Precautions For Safe Handling  
\*\*\*\*\*

Spill Cleanup Measures:

Wipe up spilled material with absorbent material. Wipe a second time with cloth soaked in isopropanol followed by rinsing with water.

Other Precautions:

This particular compound is relatively inert from - 50 deg C to 200 deg C

Storage:

Avoid extreme heat and cold.

Hygiene Practices:

Not Applicable

Waste Disposal:

Dispose of in any approved landfill. Consult local regulations.

\*\*\*\*\*  
SECTION 9 : Control Measures  
\*\*\*\*\*

Ventilation System:

Not Applicable

Mechanical (General): Not Applicable

Special: Not Applicable

Local Exhaust:

Not Applicable

Other Exhaust Information:

Not Applicable

Hand Protection Description:

Protective Gloves: Not Applicable

Eye/Face Protection:

Not Applicable

Protective Clothing/Body Protection:

None required or recommended

Respiratory Protection:

(Specify Type): Not Applicable

Work/Hygienic Practices: Not Applicable

\*\*\*\*\*  
SECTION 10 : Other Information  
\*\*\*\*\*

Applies to all ingredients:

OSHA 29 CFR 1200:

Material Safety Data Sheet:

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

MSDS Revision Date:

July 2002

Comment:

\*US. G.P.O: 1986-491-329/43775

Style CU-FP 174 Labelmaster, Div. of American Labelmark Co. Inc. 60646

## PIP SPRAY

## Section I - Product and Company Identification

Product Name: PIP SPRAY

Chemical Name: NA

Family: NA

Product Use:

Formula: Proprietary Mixture

Manufacturer: KEYSTONE INDUSTRIES

616 Hollywood Ave, Cherry Hill, NJ 08002

Emergency Phone Numbers: (800) 535-5053

Information Contacts: (856) 663-4700

## Section II - Hazardous Ingredients

Chemical Identity	CAS Numbers	Exposure	Limits	Carcinogen	%
		OSHA TWA/STEL	ACGIH TWA/STEL		
Poly (Dimethylsiloxane)	63148-62-9	N/E	N/E	Not Listed	<10
Distilled Water	N/A	N/A	N/A	Not Listed	>90

N/E - None Established

N/R - Not Reviewed

N/DA - No Data Available

N/A - Not Applicable

## Section III - Hazards Identification

## EMERGENCY OVERVIEW

- None

## Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: Inhalation, skin contact, eye contact

Eye: May cause minor irritation. Excess redness and swelling of conjunctiva may occur.

Skin: May cause minor irritation with itching and possible redness

Ingestion: No evidence of harmful effects from available information

Inhalation: Short-term harmful health effects are not expected from vapor generated at ambient temperature.

Sub-Chronic Effects: No adverse effects anticipated from available information

NOTE: Refer to Section 11, Toxicological Information for Details

## Section IV - First Aid Measures

First Aid for Eye: Flush eyes thoroughly with water for several minutes

First Aid for Skin: Wash skin with soap

First Aid for Inhalation: No emergency anticipated

First Aid for Ingestion: No emergency anticipated

## Section V - Fire Fighting Measures

Flash Point (°F)	Flammable Limit (vol%)	Auto-ignition Temperature (°F)
none	N/DA	N/DA

Method: None

Extinguishing Media: Non-flammable, after water evaporates, remaining material will burn. All purpose type.

Fire Fighting Instructions: Use self contained breathing apparatus when fighting fires in enclosed areas

Unusual Hazards: This material may produce a floating fire hazard in extreme fire conditions

## Section VI - Accidental Release Measures

Spill or Release Procedures - • Absorb spill with inert material, (e.g. dry sand or earth), then place into a chemical waste



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## PIP SPRAY

container.

- Use proper personal protective equipment as indicated in Section 8.

### Section VII - Handling and Storage

- Handling
- Use with adequate ventilation and avoid contact with eyes and skin (eye irritant). Wash thoroughly after handling.
  - Keep away from sources of ignition. Store in a cool, dry place.
- Storage
- N/A
- Explosion Hazard

### Section VIII - Exposure Controls / Personal Protective Equipment

Engineering Controls	Use adequate ventilation to keep airborne containments low.
Personal Protective Equipment	
General	Make sure eyewash and safety showers are available.
Eye/ Face Protection	Wear appropriate eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin Protection	PVC coated gloves.
Respiratory Protection	None expected to be needed.

### Section IX - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Green	Mint	N/A	N/A	N/A	N/A

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
> 100 °C	N/A	N/A	< 20	> 1	> 1	N/A	Dispersible

### Section X - Stability and Reactivity

#### Stability:

Stable

#### Hazardous Decomposition Products:

Silicon Oxide

#### Conditions to Avoid:

Heat, flame, ignition sources.

#### Incompatibility (Materials to Avoid):

Avoid high temperatures and strong oxidizers

#### Hazardous Polymerization:

Not been reported

### Section XI - Toxicological Information

Acute Oral Toxicity Oral LD50 (rat) > 24 g/kg	Acute Dermal Toxicity N/ND	Acute Inhalation Toxicity N/A	Irritation - skin N/A	Irritation - Eye N/A
Sensitization N/A	Mutagenicity N/A	Sub-chronic Toxicity N/A		

### Section XII - Ecological Information

#### Ecotoxicological Information

Acute Toxicity to Fish N/A	Acute Toxicity to Invertebrates N/A	Acute Toxicity to Algae N/A	Bioconcentration N/A	Toxicity to Sewage Bacteria N/A
Chemical Fate Information				
Biodegradability	N/A			
Chemical Oxygen Demand	N/A			

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## PIP SPRAY

### Section XIII - Disposable Concentrations

Incinerate in furnace or otherwise dispose of in accordance with local, state, and federal regulations.

### Section XIV - Transport Information

Non-hazardous material thus no special shipping instructions.

### Section XV - Regulatory Information

#### US Federal Regulations

Clean Air Act: HAP

Clean Air Act: ODS

Clean Water Act: Priority Pollutant

FDA

Occupational Safety and Health Act

RCRA

SARA Title III: Section 302

SARA Title III: Section 304

SARA Title III: Section 311-312:

SARA Title III: Section 313:

TSCA Section 8(b): Inventory:

This product does not contain any hazardous air pollutants (HAP's)

This product neither contains, nor was manufactured with a Class I or Class II ozone depleting substance (ODS).

This product contains no chemicals listed under the U.S. Clean Water Act Priority Pollutant List.

This product is considered a class I product and complies with all FDA regulations

The product is not considered hazardous under OSHA

This product is not listed as a RCRA hazardous waste.

This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.

This product contains no chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List).

This product is considered not to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370).

This product contains no chemicals that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

#### State Regulations

CA Proposition 65

MA Right-to-Know Law:

NJ Right-to-Know Law:

PA Right-to-Know Law:

FL Right-to-Know Law:

This product contains no substances known to the State of California to cause cancer and adverse reproductive effects.

Components present in this product are not at levels (MSL) which would require reporting under the state statute (105 CMR 670.000)

None

None

None

#### International Regulations

CDSL: Canadian Inventory

(on Canadian Transitional List)

No information available.

EINECS: European Inventory:

No information available.

### Section XVI - Other Information

Hazard Rating System

NFPA: Health 1/Flammability 0/Reactivity = 0

HMIS: Health 1/Flammability = 0/Reactivity = 0

Product Number -



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## PIP SPRAY

Approval Date: 02/01/00      Review Date: 01/01/2013

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# Material Safety Data Sheet

## PRESSURE INDICATOR PASTE

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### Section 1 – Identification of the Substance/Preparation and of the Company/Undertaking

**Product Name:** PRESSURE INDICATOR PASTE (PIP)

**Chemical Name:**
**Family:**
**Product Use:** Dental seating paste

**Product #:** -- 6120200, 6120210, 6120220, 6120225, 6120300, 6120400, 6120900, 6121000, 6121005

MSDS Initial Approval Date: Jan 04

MSDS Prepared by: JRR

**Manufacturer:** Mizzy Inc.

616 Hollywood Av

Cherry Hill, NJ 08002

**Emergency Phone Numbers:** (800) 535 - 5053

**Information Contacts:** ( 856 ) 663 - 4700

### Section 2 - Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Dimethylpolysiloxane	63148-62-9	N/DA					80 – 90%
Zinc Oxide Proprietary	1314-13-2	215-222-5	C.I. 77947				10 – 20%

N/E - None Established

N/R - Not Reviewed

N/DA - No Data Available

N/A - Not Applicable

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- None

#### Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry	Ingestion
Eye	May cause minor irritation
Skin	No evidence of harmful effects from available information
Ingestion	Swallowing small amounts of this material during normal handling is not likely to cause harmful effects.
Inhalation	No evidence of harmful effects from available information
Sub-Chronic Effects	Bo adverse effects anticipated from available information

NOTE: Refer to Section 11, Toxicological Information for Details

### Section 4 - First Aid Measures

First Aid for Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
First Aid for Skin	Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin with plenty of soap and water.
First Aid for Inhalation	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
First Aid for Ingestion	Get medical aid if irritation or symptoms occur.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
NDA	LEL: NDA UEL: NDA	NDA

# Material Safety Data Sheet

## PRESSURE INDICATOR PASTE

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**Method:**

Extinguishing Media: Foam, dry chemical or carbon dioxide if it indeed will burn

Fire Fighting Instructions: Use self-contained breathing apparatus when fighting fires in enclosed areas

Unusual Hazards: None

### Section 6 - Accidental Release Measures

Spill or Release Procedures: Wipe up spilled product with absorbent material. Wipe a second time with cloth soaked in isopropyl alcohol followed by rinsing with water.  
-

### Section 7 - Handling and Storage

Handling

Storage: Avoid extreme heat and cold. This compound is relatively inert from -50°C to 200°F

Explosion Hazard: N/A

### Section 8 - Exposure Controls / Personal Protective Equipment

Engineering Controls

**Personal Protective Equipment**

General: None expected to be needed

Eye/ Face Protection

Skin Protection

Respiratory Protection

### Section 9 - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity (H <sub>2</sub> O = 1)	Viscosity	% Volatile
White, tenacious paste	Odorless	NDA	1.10	Paste	NDA

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure (mm Hg):	Vapor Density (AIR = 1)	Evaporation Rate (Butyl Acetate = 1)	Ignition	Solubility In Water
300°C/572°F	NDA	NDA	@25°C Nil	1	Nil	N/A	None

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
NDA	LEL – NDA UEL – NDA	NDA

### Section 10 - Stability and Reactivity

**Stability:**

Stable

**Hazardous Decomposition Products:**

NDA

**Conditions to Avoid:**

NDA

**Incompatibility (Materials to Avoid):**

NDA

**Hazardous Polymerization:**

Will not occur

### Section 11 - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
'As much as 5 ml. per kilogram of mouse can be fed with no toxic effects. This is equal to a level of 50 ml. in a 10 kilo child or 250 ml. in a 50 kilo adult	NDA	NDA	NDA	NDA

# Material Safety Data Sheet

## PRESSURE INDICATOR PASTE

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<b>Sensitization</b>	<b>Mutagenicity</b>	<b>Sub-chronic Toxicity</b>
NDA	NDA	NDA

RTECS#:

### Section 12 - Ecological Information

#### Ecotoxicological Information

<b>Acute Toxicity To Fish</b>	<b>Acute Toxicity to Invertebrates</b>	<b>Acute Toxicity to Algae</b>	<b>Bioconcentration</b>	<b>Toxicity to Sewage Bacteria</b>
N/DA	N/DA	N/DA	N/DA	N/DA

#### Chemical Fate Information

<b>Biodegradability</b>	N/DA
<b>Chemical Oxygen Demand</b>	N/DA

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated.  
Do not allow to enter drinking water supplies, wastewater, or soil.

### Section 13 - Disposal Considerations

Follow Federal, State and Local regulations for disposal. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

### Section 14 - Transport Information

<b>DOT (49 CFR 172)</b>	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
<b>Emergency Response Guidebook (ERG) #:</b>	<b>N/A</b>
<b>IATA (DGR):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	
<b>Emergency Response Guidance (ICAO)#:</b>	
<b>IMO (IMDG):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
<b>Emergency Schedule (EmS)#:</b>	
<b>Other Information:</b>	

### Section 15 - Regulatory Information

#### US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP's) or ozone depleting substances (ODS's), as defined by the U. S. Clean Air Act: • NONE
Clean Water Act:	This product contains the following chemicals listed under the U.S. Clean Water Act Priority Pollutant List: • NONE
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and/ or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is not considered a hazardous chemical under the OSHA Hazard Communication Standard.
RCRA	This product contains no chemicals considered to be hazardous waste under RCRA (40 CFR

# Material Safety Data Sheet

## PRESSURE INDICATOR PASTE

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	261).
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Sec. 304 as extremely hazardous chemicals for emergency release notification ("CERCLA " List).
SARA Title III: Section 311-312:	This product does not contain hazardous substances under the OSHA Hazard Communication Standard, and is not regulated under Section 311-312 (40 CFR 370).
SARA Title III: Section 313:	This product contains the following chemicals outlined in SARA Title III: Section 313: <ul style="list-style-type: none"> <li>NONE.</li> </ul>
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals listed have a SNUR under TSCA.

### State Regulations

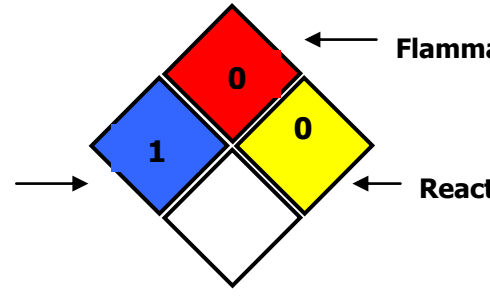
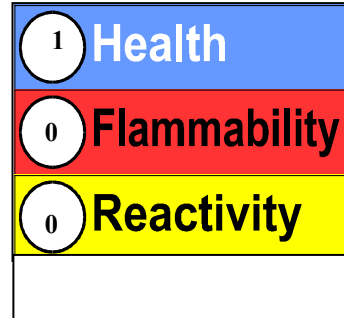
CA Right-to-Know Law:	NONE
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know Law:	NONE
MN Right-to-Know Law:	NONE

### International Regulations

CDSL: Canadian Inventory (On Canadian Transitional List)	Zinc oxide CAS no. 1314-13-2 is on the DSL list
EINECS: European Inventory:	<ul style="list-style-type: none"> <li>HAZARD SYMBOLS: N/DA</li> <li>RISK PHRASES: N/DA</li> <li>SAFETY PHRASES: N/DA</li> </ul>

### Section 16 - Other Information

#### Hazard Rating System (Pictograms)

NFPA:	HMIS:
 <p>Health → 1      ← 0 Flammability</p> <p>→ 0 ← Reactivity</p>	 <p>1 Health</p> <p>0 Flammability</p> <p>0 Reactivity</p>

Revised Sections since Last Version:	
Original	Jan 04
Overall format revision	11/27/07
MSDS Review, no changes	11/18/10

**Material Safety Data Sheet**      **PRESSURE INDICATOR PASTE**

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## Section 1. Identification

**GHS product identifier** : PIP Spray

**Other means of identification** : Not available.

**Product code** : 6140100, 6140200

**Product type** : Liquid.

**Product use** : Dental Products

**Relevant identified uses of the substance or mixture and uses advised against**

Not applicable.

**Supplier's details** : Keystone Industries  
52 West King Street  
Myerstown, PA 17067  
(856) 663-4700

**Emergency telephone number (with hours of operation)** : (800) 535-5053

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 8.9%

### GHS label elements

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements**

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Other means of identification** : Not available.

### CAS number/other identifiers

**CAS number** : Not applicable.

May contain one or more of the following components in quantities considered hazardous:

## Section 3. Composition/information on ingredients

Ingredient name	CAS number	EC number	%
Siloxanes and Silicones, di-Me	63148-62-9	-	<10

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

## Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Green.
- Odor** : Minty.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : >100°C (>212°F)
- Flash point** : Not available.
- Evaporation rate** : >1 (butyl acetate = 1)
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : <2.7 kPa (<20 mm Hg) [room temperature]
- Vapor density** : >1 [Air = 1]

## Section 9. Physical and chemical properties

<b>Relative density</b>	: Not available.
<b>Solubility</b>	: Not available.
<b>Solubility in water</b>	: Not available.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Viscosity</b>	: Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Incompatible materials</b>	: No specific data.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Siloxanes and Silicones, di-Me	Eyes - Mild irritant	Rabbit	-	1 hours 100 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 100 microliters	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-

<b>Information on the likely routes of exposure</b>	: Not available.
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#### Potential acute health effects

<b>Eye contact</b>	: No known significant effects or critical hazards.
<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Skin contact</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	: No specific data.
<b>Inhalation</b>	: No specific data.
<b>Skin contact</b>	: No specific data.
<b>Ingestion</b>	: No specific data.

## Section 11. Toxicological information

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Siloxanes and Silicones, di-Me	Acute LC50 44.5 ppm Fresh water	Daphnia - Daphnia magna - Instar	48 hours
	Acute LC50 3160 µg/l Fresh water	Fish - Ictalurus punctatus	96 hours

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered



## Section 13. Disposal considerations

when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** Siloxanes and Silicones, di-Me  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.  
**Clean Water Act (CWA) 311:** Hydrochloric acid; sodium hydroxide

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

**Composition/information on ingredients**

## Section 15. Regulatory information

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
hydrochloric acid	≤0.1	Yes.	500	-	5000	-

**SARA 304 RQ** : 13440860.2 lbs / 6102150.5 kg

### SARA 311/312

**Classification** : Not applicable.

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Siloxanes and Silicones, di-Me	<10	No.	No.	No.	Yes.	No.

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

**Canada inventory** : All components are listed or exempted.

### International regulations

**International lists** :

- Australia inventory (AICS)**: All components are listed or exempted.
- China inventory (IECSC)**: All components are listed or exempted.
- Japan inventory (ENCS)**: Not determined.
- Japan inventory (ISHL)**: Not determined.
- Korea inventory**: All components are listed or exempted.
- Malaysia Inventory (EHS Register)**: Not determined.
- New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempted.
- Philippines inventory (PICCS)**: All components are listed or exempted.
- Taiwan Chemical Substances Inventory (TCSI)**: All components are listed or exempted.
- Turkey inventory**: Not determined.

**Chemical Weapons** : Not listed

**Convention List Schedule I Chemicals**

**Chemical Weapons** : Not listed

**Convention List Schedule II Chemicals**

**Chemical Weapons** : Not listed

**Convention List Schedule III Chemicals**

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	1
Flammability	0
Physical hazards	0
Personal protection	

## Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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### History

<b>Date of printing</b>	: 6/7/2016
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<b>Date of previous issue</b>	: No previous validation
<b>Version</b>	: 1
<b>Key to abbreviations</b>	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
<b>References</b>	: Not available.

Indicates information that has changed from previously issued version.

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