



M A T E R I A L S A F E T Y D A T A S H E E T

Date Printed: 10/3/2012

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Trade Name: SILICONES

Product Code: FG600601100

Product Name: 601 CLEAR 10.3OZ SILICONE

POLYMERIC SYSTEMS, INC., 47 PARK AVENUE, BOX 522, ELVERSON, PA 19520

24-hour Emergency Phone: 610-286-2500

1. COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Manufacturer:

POLYMERIC SYSTEMS, INC.
47 PARK AVENUE, BOX 522
ELVERSON, PA 19520
(610)286-2500
Web: www.polymericystems.com

Supplier:

POLYMERIC SYSTEMS, INC.
47 PARK AVENUE, BOX 522
ELVERSON, PA 19520
(610)286-2500

ChemTrec Emergency No.1 (800)424-9300

Contract # CCN 17567

Product name:

601 CLEAR 10.3OZ SILICONE

Product code:

FG600601100

Specific use:

One-part, RTV silicone sealant that cures by atmospheric moisture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Occupational Exposure Limits	CAS RN
SILICA, AMORPHOUS OSHA 6.3 mg/m3 Total Dust	7631-86-9
METHYLTRIACETOXYSILANE	4253-34-3
ETHYLTRIACETOXYSILANE	17689-77-9
PETROLEUM DISTALLATES	64742-46-7

3. HAZARD IDENTIFICATION

WARNING !

Health and Physical Hazards

Irritant: Product contains chemicals known to cause skin, eye and/or respiratory tract irritation.

Flammable liquid and vapor: Product also evolves acetic acid, a flammable liquid and vapor which is harmful in contact with skin, causes severe skin burns and eye damage, may cause an allergic skin reaction, may be harmful if swallowed and toxic if inhaled.

Routes of Exposure

Inhalation -Yes
Skin contact -Yes
Eye contact -Yes

Target Organs

Blood -No
Eyes -Yes
Kidneys -No



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Ingestion -Yes

Liver -No

Lungs -Yes

Central nervous system -No

Reproductive -No

Skin -Yes

Inhalation

May cause irritation to the respiratory tract and coughing (sneezing).

Skin

Prolonged or repeated skin contact may cause irritation and allergic skin reaction or sensitization.

Prolonged or repeated skin contact may cause irritation.

Eyes

Contact with product may cause moderate eye irritation.

Ingestion

May cause irritation of the gastrointestinal tract and digestive discomfort.

Other

This material releases Acetic acid, CAS 64-19-7 (Flammable liquid and vapor) during cure. According to literature, acetic acid is harmful in contact with skin, causes severe skin burns and eye damage, may cause an allergic skin reaction, may be harmful if swallowed and toxic if inhaled.

Therefore, adequate exposure controls should be provided. Acetic acid OSHA PEL: TWA 10 ppm, ACGIH TLV: TWA 10 ppm, STEL 15 ppm

4. FIRST AID MEASURES

Inhalation

Remove to fresh air. If respiratory difficulties continue, seek immediate medical care.

Skin contact

Wash affected area with plenty of soap and water. If irritation persists, seek medical care.

Eye contact

Flush eyes thoroughly with water for at least fifteen minutes. If discomfort occurs, consult a physician, preferably an ophthalmologist.

Ingestion

Do not induce vomiting. Seek medical care immediately if ill effects



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occur.

Note to Physician

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point:

>100°C (212°F)

Method:

Setaflash Closed Cup ASTM E502

Explosion Limits:

Lower (LEL)

No data found.

Upper (UEL)

No data found.

Extinguishing Media

Foam, alcohol foam, CO₂, dry chemical, water fog.

Specific Methods

Use water spray to fight fires. Cool endangered containers with water. Fire fighters should wear full protective clothing including a self-contained breathing apparatus (SCBA).

Unusual Hazards

No data found.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Keep nonessential personnel away from the contaminated area.

Avoid contact with skin, eyes and clothing. Use appropriate Personal Protective Equipment (PPE). For guidance on selection of PPE see Section 8, "Engineering Control and Personal Protective Equipment" of this MSDS. Ensure adequate ventilation.

Environmental Precautions

Prevent this material from contaminating surrounding environment. Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product



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has entered or may enter sewers, watercourses, or extensive land areas.

Methods for Cleanup

Sweep, shovel and collect material into a covered container. Dispose of according to all applicable state, provincial, federal and local regulations.

7. HANDLING AND STORAGE

Handling

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times.

Empty Container Precautions: Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

Storage

Keep containers tightly closed when not in use and store in a cool, well-ventilated area. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Protect against moisture. Store in original container only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use with adequate local ventilation especially in confined areas. In industrial applications, ensure ventilation is in compliance with occupational exposure limits.

Respiratory Protection

Local exhaust is recommended to ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory equipment should be worn if material is to be sanded and/or sawed to avoid inhalation of airborne particles. If needed, use a NIOSH/MSHA approved respirator equipped with organic vapor cartridges and P100 filters. For emergencies and unknown concentrations, use supplied air respiratory protection or a positive-pressure, self-contained, breathing apparatus (SCBA).

Hand Protection

If product contact is anticipated, wear chemical resistant gloves.

Eye Protection

Wear safety glasses with side shields or goggles.



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Skin Protection

If product contact is anticipated, wear protective clothing.

Other Data

Good personal hygiene and good housekeeping are important. Spilled material may cause the floor or contaminated area to become a safety hazard.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Solid

Boiling Point

Not applicable

Appearance

Translucent paste

Vapor Density

Not determined

Color

Clear

Evaporation Rate

Not applicable

Odor

Pungent, Acetic Acid (strong)

lbs VOC less water and exempt solvents

0.308

Density

8.37 lb/gl

Percent Volatile by Volume

3.68%

Specific Gravity

1.01

pH

Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability

This product is stable.

Incompatibility

Strong oxidizers, acids, and bases.

Hazardous Decomposition Products

Carbon dioxide, aldehydes, acids, and oxides of nitrogen.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

SILANETRIOL, METHYL-, TRIACETATE, CAS NO 4253-34-3

Oral LD50 Rat 2060 mg/kg



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PETROLEUM DISTILLATES, HYDROTREATED MIDDLE, CAS NO 64742-46-7

Inhalation LC50 Rat 4.6 mg/L 4 h

Oral LD50 Rat 7400 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Chronic Toxicity

Acetic acid, CAS 64-19-7 a by-product may cause damage to the following organs - kidneys, mucuous membranes, skin, teeth, and eye. May cause chronic inflammation of the respiratory tract, and occupational asthma.

Carcinogenic Effects

Acetic acid, CAS 64-19-7 not listed by ACGIH, IARC, and NTP.

Mutagenic Effects

Acetic acid, CAS 64-19-7 is mutagenic for mammalian somatic cells and for bacteria and/or yeast.

Reproductive Toxicity

Chronic exposure to by-product (Acetic acid, CAS 64-19-7) may affect genetic material and may cause reproductive effects based on animal data. No human data found.

12. ECOLOGICAL INFORMATION

PETROLEUM DISTILLATES, HYDROTREATED MIDDLE, CAS NO 64742-46-7

Freshwater Fish

96 Hr LC50 Pimephales promelas: 35 mg/L [flow-through]

96 Hr LC50 Pimephales promelas: >10000 mg/L [static]

Ozone Depletion Potential

No ozone depleting chemical(s) are present in this product.

13. DISPOSAL CONSIDERATIONS

Method

As the US Environmental Protection Agency (EPA), state, regional, and other regulatory agencies may have jurisdiction over the disposal of the waste generated, it is incumbent upon waste generators to learn of and satisfy all of the waste disposal requirements which affect them. The following US EPA Hazardous Waste Numbers are applicable to the unadultrated product if it enters the "waste stream".

US EPA Hazardous Waste Numbers



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None

14. TRANSPORT INFORMATION

UN Number

Not regulated

Proper Shipping Name

Not regulated

Hazard Class

Not regulated

Packing Group

Not regulated

Marine Pollutant

Component

Cas RN

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

ERG Guide Book Number

Not regulated

Special Precautions

Not regulated

Emergency Schedule (EMS) - FIRE

Not regulated

Emergency Schedule (EMS) - SPILL

Not regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS

United States TSCA: All ingredients are TSCA listed.

Canada DSL: All ingredients are either listed or exempt.

Canada NDSL: All ingredients are either listed or exempt.

EINECS: All the chemicals in this product are listed in the inventory.

Europe ELINCS: Not evaluated

Korea: Not evaluated

China Inventory: Not evaluated

Australia AICS: Not evaluated

Japan ENCS: Not evaluated

Philippines PICCS: Not evaluated



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Legend

TSCA: Toxic Substance Control Act

DSL: Domestic Substance List

NDSL: Non-Domestic Substance List

EINECS: EU Inventory of Existing Commercial Chemical Substances

ELINCS: EU List of Notified Chemical Substances

ECL: Existing Chemicals List

AICS: Inventory of Chemical Substances

ENCs: Existing and New Chemical Substances

PICCS: Philippines Inventory of Chemicals

US Federal Regulations

SARA 311/312

EPA Hazard Class:

Immediate: Yes

Delayed: No

Pressure: No

Reactivity: No

Flammable: Yes

SARA 313

Component

CAS RN

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

TSCA 12 (b)

Component

CAS RN

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

CERCLA RQs

Component

CAS RN

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

CERCLA 102 (a) /103 Hazardous Substances

Component

CAS RN

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***



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SARA 302/CERCLA 355 Extremely Hazardous Substances

Component

CAS RN

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CAA- Clean Air Act Section 112 HAPS

Component

CAS RN

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

STATE REGULATIONS

CALIFORNIA PROPOSITION 65

Component

CAS RN

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

MA Right-to-Know

Component

CAS RN

SILICA, AMORPHOUS

7631-86-9

NJ Right-to-Know

Component

CAS RN

SILICONE RESIN

70131-67-8

SILICA, AMORPHOUS

7631-86-9

METHYLTRIAACETOXYSILANE

4253-34-3

ETHYLTRIAACETOXYSILANE

17689-77-9

PETROLEUM DISTALLATES

64742-46-7

PA Right-to-Know

Component

CAS RN

SILICONE RESIN

70131-67-8

SILICA, AMORPHOUS

7631-86-9

PETROLEUM DISTALLATES

64742-46-7

WI HAPS

Component

CAS RN

*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

MN Right-to-Know

Component

CAS RN



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SILICA, AMORPHOUS

7631-86-9

16. OTHER INFORMATION

HMIS:

Health: 1

Fire: 0

Reactivity: 0

PPE: B

Non-Warranty:

The information presented in this publication is based upon the research and experience of Polymeric Systems, Inc. No representation or warranty is made, however, concerning the accuracy or completeness of the information presented in this publication. Polymeric Systems, Inc. makes no warranty or representation of any kind, express or implied, including without limitation any warranty or merchantability or fitness for any particular purpose, and no warranty or representation shall be implied by law or otherwise. Any products sold by Polymeric Systems, Inc. are not warranted as suitable for any particular purpose to the buyer. The suitability of any products for any purpose particular to the buyer is for the buyer to determine. Polymeric Systems, Inc. assumes no responsibility for the selection of products suitable to the particular purposes of any particular buyer. Polymeric Systems, Inc. shall in no event be liable for any special, incidental, or consequential damages.

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