



Chemical Name: Pipe Sealant with Teflon

Manufacturer: Loctite Corporation

Container Size: 1.69 oz.

Location: VLA

Disposal: Place empty container in trash.

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SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION (N/A)

Product Name: **Loctite 592 PST PIPE Sealant With PTFE**
Manufacturer Name: Henkel Corporation
Address: One Henkel Way
 Rocky Hill, Connecticut 06067
 United States

 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711

 Internet: www.henkeln.com

HMIS


Product Description: Product type: Anaerobic Sealant

Business Phone: 860.571.5100
Transportation Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887
Revision Date: 01/07/2011
 Revision Number: 001.0
Trade Names: LOCTITE® 592(TM) PST® PIPE SEALANT WITH PTFE
 IDH number: 209761

 HMIS:
 HEALTH: *
 Personal Protection: See MSDS Section 8

Product Codes: 59231


HEALTH	2
FIRE	1
REACTIVITY	1
PPE	

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS : (N/A)

Ingredient Name	CAS#	Ingredient Percent
Bisphenol A fumarate resin EC Index Number: 1	39382-25-7	10 - 30%
Mica EC Index Number: 1	12001-26-2	10 - 30%
Polyglycol dimethacrylate EC Index Number: 1	25852-47-5	10 - 30%
Polyglycol dioctanoate EC Index Number: 1	18268-70-7	10 - 30%
Octan-1-ol EC Index Number: 1	111-87-5	10 - 30%
Ethene, tetrafluoro-, homopolymer	9002-84-0	5 - 10%

EC Index Number:	1		
Silica, amorphous, treated		68909-20-6	1 - 5%
EC Index Number:	1		
Titanium dioxide		13463-67-7	1 - 5%
EC Index Number:	1		
Glycol		Proprietary	1 - 5%
EC Index Number:	1		
Fragrance		Proprietary	1 - 5%
EC Index Number:	1		

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SECTION 3 : HAZARDS IDENTIFICATION : (N/A)

Emergency Overview: WARNING: CAUSES EYE IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Physical State: Paste
Color: White
Odor: Mild

HMIS:
HEALTH: *2
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See MSDS Section 8

Applies to All Ingredients :

Route of Exposure: Skin, Inhalation, Eyes


Potential Health Effects:

Eye Contact: Contact with eyes will cause irritation.
Skin Contact: May cause allergic skin reaction. May cause skin irritation with discomfort or rash.
Inhalation: May cause respiratory tract irritation. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
Ingestion: Not expected to be harmful by ingestion.

Aggravation of Pre-Existing Conditions: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

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SECTION 4 : FIRST AID MEASURES : (N/A)

Eye Contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.


Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Keep individual calm. Get medical attention.

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SECTION 5 : FIRE FIGHTING MEASURES : (N/A)

Flash Point: > 93.3 deg C (> 199.94 deg F)
Flash Point Method: Tagliabue closed cup
Upper Flammable or Explosive Limit: Not available
Lower Flammable or Explosive Limit: Not available
Auto Ignition Temperature: Not available
Extinguishing Media: Foam, dry chemical or carbon dioxide.
Hazardous Combustion Byproducts: Oxides of carbon. Toxic fluorine compounds. Irritating organic vapours.
Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing, such as turnout gear.
Unusual Fire Hazards: Not available

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SECTION 6 : ACCIDENTAL RELEASE MEASURES : (N/A)

Personal Precautions: Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Spill Cleanup Measures: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.
Environmental Precautions: Do not allow product to enter sewer or waterways.

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SECTION 7 : HANDLING and STORAGE : (N/A)

Handling: Avoid contact with eyes, skin and clothing. Use only with adequate ventilation.
Storage: For safe storage, store at or below 38 deg C (100.4 deg F)
Keep in a cool, well ventilated area away from heat, sparks and open flame.
Keep container tightly closed until ready for use.
For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION : (N/A)

Engineering Controls: Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
Skin Protection Description: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene, Butyl-rubber, or nitrile-rubber gloves.
Eye/Face Protection: Safety goggles or safety glasses with side shields.
Respiratory Protection: Use a NIOSH approved supplied air respirator with an organic cartridge if the potential to exceed established exposure limits exists.
Exposure Limits: Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components: Bisphenol A fumarate resin

AIHA WEEL: None
OTHER: None

Hazardous components: Mica
AIHA WEEL: None
OTHER: None

Hazardous components: Polyglycol dimethacrylate
AIHA WEEL: None
OTHER: None

Hazardous components: Polyglycol dioctanoate
AIHA WEEL: None
OTHER: None

Hazardous components: Octan-1-ol
AIHA WEEL: None
OTHER: None

Hazardous components: Ethene, tetrafluoro-, homopolymer
AIHA WEEL: None
OTHER: 10 mg/m3 TWATotal dust.; 5 mg/m3 TWARespirable fraction.

Hazardous components: Silica, amorphous, treated
AIHA WEEL: None
OTHER: None

Hazardous components: Titanium dioxide
AIHA WEEL: None
OTHER: None

Hazardous components: Glycol
AIHA WEEL: 10 mg/m3 TWA Aerosol.
OTHER: None

Hazardous components: Fragrance
AIHA WEEL: None
OTHER: None

Ingredient Guidelines

Ingredient: Bisphenol A fumarate resin

Guideline Type: OSHA PEL-TWA
Guideline Information: None
Guideline Type: ACGIH TLV-TWA
Guideline Information: None

Ingredient: Ethene, tetrafluoro-, homopolymer

Guideline Type: OSHA PEL-TWA
Guideline Information: None
Guideline Type: ACGIH TLV-TWA
Guideline Information: None

Ingredient: Fragrance

Guideline Type: OSHA PEL-TWA
Guideline Information: None
Guideline Type: ACGIH TLV-TWA
Guideline Information: None

Ingredient: Glycol

Guideline Type: OSHA PEL-TWA
Guideline Information: None
Guideline Type: ACGIH TLV-TWA
Guideline Information: None

Ingredient: Mica

Guideline Type: OSHA PEL-TWA

Guideline Information: 20 MPPCF
Guideline Type: ACGIH TLV-TWA
Guideline Information: 3 mg/m3 Respirable fraction.

Ingredient: Octan-1-ol

Guideline Type: OSHA PEL-TWA
Guideline Information: None
Guideline Type: ACGIH TLV-TWA
Guideline Information: None

Ingredient: Polyglycol dimethacrylate

Guideline Type: OSHA PEL-TWA
Guideline Information: None
Guideline Type: ACGIH TLV-TWA
Guideline Information: None

Ingredient: Polyglycol dioctanoate


Guideline Type: OSHA PEL-TWA
Guideline Information: None
Guideline Type: ACGIH TLV-TWA
Guideline Information: None

Ingredient: Silica, amorphous, treated

Guideline Type: OSHA PEL-TWA
Guideline Information: 6 mg/m3
Guideline Type: OSHA PEL-TWA
Guideline Information: 10 mg/m3 Inhalable dust.

Ingredient: Titanium dioxide

Guideline Type: OSHA PEL-TWA
Guideline Information: 15 mg/m3 Total dust.
Guideline Type: ACGIH TLV-TWA
Guideline Information: 10 mg/m3

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

: (N/A)

Color:	White
Odor:	Mild
Physical State:	Paste
pH:	Not applicable
Vapor Pressure:	< 10 mm hg (27 deg C (80.6 deg F))
Vapor Density:	Not available
Flash Point:	> 93.3 deg C (> 199.94 deg F)
Flash Point Method:	Tagliabue closed cup
Auto Ignition Temperature:	Not available
Upper Explosive Limit:	Not available
Lower Explosive Limit:	Not available
Boiling Point:	> 149 deg C (> 300.2 deg F)
Melting Point:	Not available
Solubility:	In water: Slight
Specific Gravity:	1.21
Evaporation Point:	Not available
Volatile Organic Compound Content:	0.72 %; 6.86 g/l
Odor Threshold:	Not available

Coefficient of Water/Oil
Distribution:


Partition coefficient (n-octanol/water): Not available

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SECTION 10 : STABILITY and REACTIVITY

: (N/A)

Chemical Stability:	Stable
Conditions to Avoid:	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).
Incompatibilities with Other Materials:	Strong oxidizing agents.
Reactivity:	Hazardous reactions: Will not occur.
Hazardous Decomposition Products:	Oxides of carbon. Toxic fluorine compounds. Irritating organic vapours.

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SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

Applies to all ingredients:

Skin Effects: Acute dermal product toxicity: LD50 (rabbit) > 5,000 mg/kg
Ingestion Effects: Acute oral product toxicity: LD50 (rat) > 10,000 mg/kg

Bisphenol A fumarate resin :

Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No
Other Toxicological Information: Health Effects/Target Organs: No Target Organs

Mica :

Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No
Other Toxicological Information: Health Effects/Target Organs: Lung

Polyglycol dimethacrylate :

Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No
Other Toxicological Information: Health Effects/Target Organs: Irritant, Allergen

Polyglycol dioctanoate :

Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No
Other Toxicological Information: Health Effects/Target Organs: Irritant

Octan-1-ol :

Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No
Other Toxicological Information: Health Effects/Target Organs: Central nervous system, Irritant

Ethene, tetrafluoro-, homopolymer :

Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No
Other Toxicological Information: Health Effects/Target Organs: No Target Organs

Silica, amorphous, treated :

Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No
Other Toxicological Information: Health Effects/Target Organs: No Target Organs

Titanium dioxide :

Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: Group 2B
OSHA Carcinogen(Specifically Regulated): No

Other Toxicological Information: Health Effects/Target Organs: Irritant, Respiratory, Some evidence of carcinogenicity

Glycol :


Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No

Other Toxicological Information: Health Effects/Target Organs: Irritant

Fragrance :


Carcinogenicity: NTP Carcinogen: No
IARC Carcinogen: No
OSHA Carcinogen(Specifically Regulated): No

Other Toxicological Information: Health Effects/Target Organs: No Data

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SECTION 12 : ECOLOGICAL INFORMATION : (N/A)

Ecological Paragraph: Ecological information: Not available

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SECTION 13 : DISPOSAL CONSIDERATIONS : (N/A)

Waste Disposal: Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

EPA Waste Number: Hazardous waste number: Not a RCRA hazardous waste.
Information provided is for unused product only.

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SECTION 14 : TRANSPORT INFORMATION : (N/A)

Transportation Information: The shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification maybe different for bulk packaging.


DOT Shipping Information: U.S. Department of Transportation Ground (49 CFR): Not available

IMO: Water Transportation: Not available

IATA: International Air Transportation (IATA): Not available

Maritime Transportation CGVS/GGVE/IMDG: Water Transportation: Not available

International Air Transportation (ICAO): Not available

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SECTION 15 : REGULATORY INFORMATION : (N/A)

Applies to all ingredients:

TSCA 8(b): Inventory Status: TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b): Export Notification Section 302: None above reporting de minimus
CERCLA/SARA Section 302 EHS: None above reporting de minimus

Section 312 Hazard Category: CERCLA/SARA Section 311/312:
Acute: Yes
Chronic: Yes
Section 313 Toxic Release Form: CERCLA/SARA 313: None above reporting de minimus
OSHA 29 CFR 1200: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
State: California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Canada WHMIS: CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
WHMIS hazard class: D.2.A, D.2.B

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SECTION 16 : ADDITIONAL INFORMATION

: (N/A)

HMIS:

Health Hazard: 2
Fire Hazard: 1
Reactivity: 1
MSDS Revision Date: 01/07/2011
Revision Number: 001.0

This material safety data sheet contains changes from the previous version in sections: First issue.

MSDS Author: Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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HMIS:
HEALTH: *
Personal Protection: See MSDS Section 8

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