



Revision Number: 005.1 Issue date: 10/12/2009

## PRODUCT AND COMPANY IDENTIFICATION

565 Thread Sealant Controlled Product name:

Strength PST® Pipe Sealant with PTFE

Product type: Anaerobic Sealant

Company address:

Henkel Corporation

Rocky Hill, Connecticut 06067

One Henkel Way

56507 Item number:

IDH number:

Region: **United States** 

**Contact information:** Telephone: 860.571.5100

Emergency telephone: 860.571.5100

Internet: www.henkelna.com

# HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** 

HMIS:

Physical state: HEALTH: \*2 Paste Color: White FLAMMABILITY: 1 Odor: Mild PHYSICAL HAZARD:

> **Personal Protection:** See MSDS Section 8

234438

WARNING: CAUSES EYE IRRITATION.

MAY CAUSE ALLERGIC SKIN REACTION.

MAY CAUSE SKIN IRRITATION.

MAY CAUSE RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

**Potential Health Effects** 

Inhalation: May cause respiratory tract irritation.

May cause allergic skin reaction. May cause skin irritation. Skin contact:

Eye contact: Contact with eyes will cause irritation. Ingestion: Not expected to be harmful by ingestion.

Existing conditions aggravated by

exposure:

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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.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Polyglycol dimethacrylate	25852-47-5	30 - 60
Hexanedioic acid, polymer with 1,4-butanediol and 1,2-propanediol, dodecanoate	68186-73-2	10 - 30
Cellulose ester	9004-36-8	10 - 30
Titanium dioxide	13463-67-7	1 - 5
Treated fumed silica	67762-90-7	1 - 5
Saccharin	81-07-2	1 - 5
Cumene hydroperoxide	80-15-9	1 - 5
Ethylene glycol	107-21-1	0.1 - 1

# 4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give

artificial respiration. If symptoms develop and persist, get medical attention.

Skin contact: Remove contaminated clothing and footwear. Wash clothing before reuse.

Wash with soap and water. If symptoms develop and persist, get medical

attention.

Eye contact: Get medical attention. Flush with copious amounts of water, preferably,

lukewarm water for at least 15 minutes, holding eyelids open all the time.

Ingestion: Keep individual calm. Do not induce vomiting. Get medical attention.

## 5. FIRE FIGHTING MEASURES

Flash point: > 93.3 °C (> 199.94 °F)

Autoignition temperature: Not available Flammable/Explosive limits - lower: Not available

Flammable/Explosive limits - upper: Not available

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as

turn-out gear.

Unusual fire or explosion hazards: None

Extinguishing media:

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Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Toxic fluorine Hazardous combustion products:

compounds. Irritating organic vapours.

Foam, dry chemical or carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:** Do not allow product to enter sewer or waterways.

Clean-up methods: 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.

# 7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing.

Storage: For safe storage, store at or below 38 °C (100.4 °F)

Keep in a cool, well ventilated area.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Polyglycol dimethacrylate	None	None	None	None
Hexanedioic acid, polymer with 1,4-butanediol and 1,2-propanediol, dodecanoate	None	None	None	None
Cellulose ester	None	None	None	None
Titanium dioxide	10 mg/m3 TWA	15 mg/m3 TWA Total dust.	None	None
Treated fumed silica	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.	None	None
Saccharin	None	None	None	None
Cumene hydroperoxide	None	None	1 ppm (6 mg/m3) TWA (SKIN)	None
Ethylene glycol	100 mg/m3 Ceiling Aerosol.	None	None	None

Engineering controls: No specific ventilation requirements noted, but forced ventilation may still be

required if concentrations exceed occupational exposure limits.

Respiratory protection: Use a NIOSH approved supplied air respirator with an organic cartridge if the

potential to exceed established exposure limits exists.

**Eye/face protection:** Safety goggles or safety glasses with side shields.

**Skin protection:**Use impermeable gloves and protective clothing as necessary to prevent skin

contact. Neoprene, Butyl-rubber, or nitrile-rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:PasteColor:WhiteOdor:MildOdor threshold:Not available

Odor threshold:

pH:

Not available

Not applicable

Vapor pressure: $< 5 \text{ mm hg } (27 \, ^{\circ}\text{C } (80.6 \, ^{\circ}\text{F}))$ Boiling point/range: $> 149 \, ^{\circ}\text{C } (> 300.2 \, ^{\circ}\text{F})$ Melting point/ range:Not available

Melting point/ range: Not Specific gravity: 1.1

Vapor density: Not available

Flash point: > 93.3 °C (> 199.94 °F)

Flammable/Explosive limits - lower:
Flammable/Explosive limits - upper:
Autoignition temperature:
Evaporation rate:
Solubility in water:
Partition coefficient (n-octanol/water):
VOC content:
Not available
Not available
Not available
0.11 %; 1.06 g/l

## 10. STABILITY AND REACTIVITY

Stability: Stable

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Hazardous reactions: Will not occur.

Hazardous decomposition products: Oxides of carbon. Toxic fluorine compounds. Oxides of nitrogen. Oxides of

sulfur. Irritating organic vapours.

Incompatible materials: Strong oxidizing agents.

Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

# 11. TOXICOLOGICAL INFORMATION

Acute oral product toxicity: LD50 (rat) > 5,000 mg/kg (Estimated)

Acute dermal product toxicity: LD50 (rabbit) > 2,000 mg/kg (Estimated)

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Polyglycol dimethacrylate	No	No	No
Hexanedioic acid, polymer with 1,4- butanediol and 1,2-propanediol, dodecanoate	No	No	No
Cellulose ester	No	No	No
Titanium dioxide	No	Group 2B	No
Treated fumed silica	No	No	No
Saccharin	No	No	No
Cumene hydroperoxide	No	No	No
Ethylene glycol	No	No	No

Hazardous components	Health Effects/Target Organs	
Polyglycol dimethacrylate	Irritant, Allergen	
Hexanedioic acid, polymer with 1,4-butanediol and 1,2-propanediol, dodecanoate	No Records	
Cellulose ester	No Target Organs	
Titanium dioxide	Irritant, Respiratory, Some evidence of carcinogenicity	
Treated fumed silica	Irritant	
Saccharin	No Target Organs	
Cumene hydroperoxide	Allergen, Central nervous system, Corrosive, Irritant, Mutagen	
Ethylene glycol	Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritar Kidney, Liver, Metabolic	

# 12. ECOLOGICAL INFORMATION

Ecological information: Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

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

**Hazardous waste number:**Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

The shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

#### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:Not regulatedHazard class or division:NoneIdentification number:NonePacking group:None

## International Air Transportation (ICAO/IATA)

IDH number: 234438

Proper shipping name:Not regulatedHazard class or division:NoneIdentification number:NonePacking group:None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated

Hazard class or division:

Identification number:

Packing group:

None

# 15. REGULATORY INFORMATION

**United States Regulatory Information** 

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: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of

section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40

CFR 372). Cumene hydroperoxide (CAS# 80-15-9).

CERCLA Reportable quantity: Saccharin (CAS# 81-07-2) 100 lbs. (45.4 kg)

Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 kg)

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 Regulatory Information

WHMIS hazard class:

IDH number: 234438

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic

Substances List. D.2.A, D.2.B

#### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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