

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : 1775-A  
 Product code : 1775-A  
 Other means of identification : 1775-A/1, 1775-A/5SF, 1775-A/5

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Protective Industrial Polymers  
 7875 Bliss Parkway  
 North Ridgeville, Ohio 44039 - USA-Ohio  
 T 440-327-0015  
[www.protectpoly.com](http://www.protectpoly.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec: 800-427-9300 (Outside USA) 703-527-3887

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Skin corrosion/irritation H315  
 Category 2  
 Skin sensitization H317  
 Category 1

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning  
 Hazard statements (GHS-US) : H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 Precautionary statements (GHS-US) : P261 - Avoid breathing vapors  
 P264 - Wash hands thoroughly after handling  
 P272 - Contaminated work clothing must not be allowed out of the workplace  
 P280 - Wear protective clothing  
 P302+P352 - If on skin: Wash with plenty of soap  
 P321 - Specific treatment (see a doctor if symptoms do not go away. on this label)  
 P332+P313 - If skin irritation occurs: Get medical advice/attention  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
 P362+P364 - Take off contaminated clothing and wash it before reuse  
 P363 - Wash contaminated clothing before reuse  
 P501 - Dispose of contents/container to in accordance with local regulations

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substance

Not applicable

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### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Phenol polymer with formaldehyde glycidyl ether	(CAS No) 28064-14-4	50 - 60	Not classified
calcium silicate clays	(CAS No) 92704-41-1	20 - 30	Skin Irrit. 2, H315
Xylene Formaldehyde Resin	(CAS No) 26139-75-3	0 - 5	Skin Irrit. 2, H315
2-furancarbinol	(CAS No) 98-00-0	0 - 5	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Silicon Dioxide	(CAS No) 14808-60-7	0 - 1.518	Carc. 1A, H350

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after skin contact : Irritation. May cause an allergic skin reaction.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Alcohol resistant foam, water, water fog, CO2, dry chemical, dry sand, limestone powder.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.
- Explosion hazard : No direct explosion hazard.
- Reactivity : Stable under normal conditions.

### 5.3. Advice for firefighters

- Firefighting instructions : In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. No specific fire-fighting instructions required.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Absorb spillage to prevent material damage.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain leaking substance. Dam up the liquid spill. Contain released substance, pump into suitable containers.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

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### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapors.
- Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.
- Incompatible materials : No known incompatible materials.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Silicon Dioxide (14808-60-7)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
OSHA	Remark (OSHA)	(3) See Table Z-3.
Phenol polymer with formaldehyde glycidyl ether (28064-14-4)		
Not applicable		
Xylene Formaldehyde Resin (26139-75-3)		
Not applicable		
calcium silicate clays (92704-41-1)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (Particulates (insoluble or poorly soluble)(NOS); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
Not applicable		
2-furancarbinol (98-00-0)		
ACGIH	ACGIH TWA (ppm)	10 ppm (Furfuryl alcohol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	15 ppm (Furfuryl alcohol; USA; Short time value; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	URT & eye irr
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	50 ppm

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : protective gloves.
- Eye protection : Safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Yellow liquid. Viscous.
- Color : Light yellow to yellow-brown

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Odor	: No data available on odour
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: >= 260 °C
Flash point	: >= 190.5 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: Water: Solubility in water of component(s) of the mixture : •: insoluble •: < 0.01 g/100ml •: < 0.1 g/100ml •: 0.15 g/100ml •: < 0.02 g/100ml •: 2.7 g/100ml • lithium chloride: 45 g/100ml • 1-methyl-2-pyrrolidone: 100 g/100ml (20 °C, soluble) •: 0.093 g/100ml •: Complete
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No specific data.

### 10.6. Hazardous decomposition products

irritant gases. Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

2-furancarbinol (98-00-0)	
LD50 oral rat	275 mg/kg (Rat; Other; Weight of evidence)
LD50 dermal rabbit	657 mg/kg (Rabbit; Weight of evidence; Other)
LC50 inhalation rat (mg/l)	0.934 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	233 ppm/4h (Rat)
ATE US (oral)	275.000 mg/kg body weight

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<b>2-furancarbinol (98-00-0)</b>	
ATE US (dermal)	657.000 mg/kg body weight
ATE US (gases)	233.000 ppmV/4h
ATE US (vapors)	0.934 mg/l/4h
ATE US (dust, mist)	0.934 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

<b>Silicon Dioxide (14808-60-7)</b>	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified  
  
Specific target organ toxicity (repeated exposure) : Not classified  
  
Aspiration hazard : Not classified  
Symptoms/injuries after skin contact : Irritation. May cause an allergic skin reaction.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>2-furancarbinol (98-00-0)</b>	
LC50 fish 2	701 mg/l (LC50; Equivalent or similar to OECD 203; 48 h; Leuciscus idus; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	328 mg/l (EC50; Equivalent or similar to OECD 202; 24 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	25 mg/l (LOEC; Other; 168 h; Scenedesmus quadricauda; Static system; Fresh water; Experimental value)

#### 12.2. Persistence and degradability

<b>Silicon Dioxide (14808-60-7)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

<b>Phenol polymer with formaldehyde glycidyl ether (28064-14-4)</b>	
Persistence and degradability	Biodegradability in soil: no data available.

<b>calcium silicate clays (92704-41-1)</b>	
Persistence and degradability	Biodegradability in soil: no data available.

<b>2-furancarbinol (98-00-0)</b>	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	0.81 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.75 g O <sub>2</sub> /g substance
ThOD	1.79 g O <sub>2</sub> /g substance

#### 12.3. Bioaccumulative potential

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<b>Phenol polymer with formaldehyde glycidyl ether (28064-14-4)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>calcium silicate clays (92704-41-1)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>2-furancarbinol (98-00-0)</b>	
Log Pow	0.3 - 0.8 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

<b>2-furancarbinol (98-00-0)</b>	
Surface tension	0.038 N/m (20 °C)

### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Contain and dispose of waste according to local regulations.  
Waste disposal recommendations : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT  
Not regulated for transport

### TDG

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>1775-A</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard
<b>Silicon Dioxide (14808-60-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Phenol polymer with formaldehyde glycidyl ether (28064-14-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Xylene Formaldehyde Resin (26139-75-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>calcium silicate clays (92704-41-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>2-furancarbinol (98-00-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

### National regulations

#### Silicon Dioxide (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

### 15.3. US State regulations

#### Silicon Dioxide (14808-60-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

#### 2-furancarbinol (98-00-0)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Other information

: Disclaimer: This SDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200 and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace.

Full text of H-phrases:

H227	Combustible liquid
H301	Toxic if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H335	May cause respiratory irritation
H350	May cause cancer
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*