

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.	Hazard classification
Acrylic Polymers	45 - 50	Trade Secret	Not classified as dangerous for supply/use.
Tributoxyethyl phosphate	<5	78-51-3	Aquatic Acute 3; H402 Aquatic Chronic 3; H412
Dipropylene glycol monomethyl ether	<5	34590-94-8	Flam. Liq. 4;H227
Phenoxypropanol	<5	770-35-4	Eye Irrit. 2; H319

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below: **None**

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Get medical advice/attention if you feel unwell.
Skin Contact	Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion	Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed None

Indication of any immediate medical attention and special treatment needed IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Non-combustible. As appropriate for surrounding fire.
None anticipated.

Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes. Wear protective gloves/eye protection. Avoid breathing /mist/vapours/spray.
Environmental precautions	Prevent liquid entering sewers, basements and work pits. Avoid release to the environment.
Methods and material for containment and cleaning up	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
Reference to other sections	None
Additional Information	None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid breathing /mist/vapours/spray.
Conditions for safe storage, including any incompatibilities	
-Storage temperature	Do not allow material to freeze.
-Incompatible materials	This product should be stored away from sources of strong heat or oxidizing chemicals. Avoid contact with: strong acids.
Specific end use(s)	Stone Surface Sealant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Dipropylene glycol monomethyl ether	34590-94-8	100 ppm	100 ppm	-----	150 ppm	Skin

-LTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

Recommended monitoring method	NIOSH 2554 (Glycol ethers)
Exposure controls	
Appropriate engineering controls	Not normally required.
Personal protection equipment	
Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses).
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.





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Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color	Milky white
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	>100 °C
Flash Point (°C)	Not flammable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Soluble
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not explosive
Oxidizing properties	Not an oxidizer
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials.
Incompatible materials	This product should be stored away from sources of strong heat or oxidizing chemicals. Avoid contact with: strong acids.
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact



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Information on toxicological effects

Acrylic Polymers (CAS# Trade Secret) - By analogy with similar materials:

Acute toxicity LD50 (oral): >5000 mg/kg-bw (rat, female)

Tributoxyethyl phosphate (CAS# 78-51-3):

Acute toxicity LD50 (oral): >2000 mg/kg-bw (rat)
 LD50 (dermal): >2000 mg/kg (rabbit)
 LC50 (inhalation): >6.4 mg/L (rat) (4 hour)

Irritation/Corrosivity Non-irritant
Sensitisation It is not a skin sensitiser.
Repeated dose toxicity Not available.

Carcinogenicity

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity Not available.

Toxicity for reproduction Not available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Tributoxyethyl phosphate (CAS# 78-51-3):

Short term LC50 (96 hour): 24 mg/L (fish)
 EC50 (48 hour): 53 mg/L (aquatic invertebrate)
 EC50 (72 hour): 61 mg/L (algae)
Long Term NOEC (72 hour): 7.6 mg/L (algae)

Persistence and degradability Readily biodegradable.
Bioaccumulative potential Not available.
Mobility in soil Not available.
Results of PBT and vPvB assessment Not classified as PBT or vPvB.
Other adverse effects Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number			
Proper Shipping Name			
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Not classified as dangerous for transport.



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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: None

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: June 9, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H227: Combustible liquid.
- H319: Causes serious eye irritation.
- H402: Harmful to aquatic life.
- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

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