

# SAFETY DATA SHEET



Date Prepared : 03/05/2015  
 MSDS No : QUICK COLD EPOXY-GHS - RESIN  
 Date-Revised : 09/28/2017  
 Revision No : 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** PRO WELD QUICK COLD EPOXY - RESIN

### MANUFACTURER

Pacer Technology  
 3281 E. Guasti Rd., Suite 260  
 Ontario, CA 91761

**Emergency Contact:** CHEMTREC

**Emergency Phone:** 800-424-9300

**Alternate Emergency Phone:** 703-527-3887

**Product Stewardship:** 909-987-0550

### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (800) 424-9300

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Acute Toxicity (Inhalation), Category 3

Germ Cell Mutagenicity, Category 1B

### GHS LABEL ELEMENTS

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.



Skull and  
crossbones



Health  
hazard

**SIGNAL WORD:** DANGER

### HAZARD STATEMENTS

H331: Toxic if inhaled.

H340: May cause genetic defects.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P314: Get medical advice/attention if you feel unwell.

#### Storage:

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P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

**Disposal:**

P501: Dispose of in a manner consistent with federal, state, and local regulations.

**COMMENTS:** 96.68% of the mixture consists of component(s) of unknown acute inhalation toxicity.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Calcium Carbonate (limestone)	< 40 - 50	1317-65-3
Iron oxide	< 10 - 20	1309-37-1
Magnesium Carbonate	< 5 - 10	546-93-0
Solvent naphtha	1 - 5	64742-94-5
Other components below reportable levels	< 30 - 40	

## 4. FIRST AID MEASURES

**EYES:** Rinse with water. Get medical attention if irritation develops and persists.**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.**INGESTION:** Rinse mouth. Get medical attention if symptoms occur.**INHALATION:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.**SIGNS AND SYMPTOMS OF OVEREXPOSURE****ACUTE EFFECTS:** Coughing.**CHRONIC EFFECTS:** Coughing.**ADDITIONAL INFORMATION:** Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.**COMMENTS:** IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this Safety Data Sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** No unusual fire or explosion hazards noted.**EXTINGUISHING MEDIA:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Do **NOT** use water jet as an extinguisher, as this will spread the fire.**FIRE FIGHTING PROCEDURES:** Use standard firefighting procedures and consider the hazards of other involved materials.**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

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**SMALL SPILL:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**LARGE SPILL:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

## ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharge into drains, water courses, or onto the ground.

**LAND SPILL:** Avoid discharge into drains, water courses, or onto the ground.

**AIR SPILL:** Avoid discharge into drains, water courses, or onto the ground.

**GENERAL PROCEDURES:** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Obtain special instructions before use.

**HANDLING:** Do not handle until all safety precautions have been read and understood. Avoid inhalation of vapors and spray mists. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**STORAGE:** Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m <sup>3</sup>
Calcium Carbonate (limestone)	OSHA PEL	PEL	[1]	15 [1]
		PEL	[2]	5 [2]
	ACGIH TLV	ACGIH	[1]	10 [1]
		ACGIH	[2]	3 [2]
Iron oxide	ACGIH TLV	TWA		5
Magnesium Carbonate	OSHA PEL	PEL	[1]	15 [1]
		PEL	[2]	5 [2]
Solvent naphtha	ACGIH TLV	TWA		200
<b>OSHA TABLE COMMENTS:</b> 1. Total dust. 2. Respirable fraction.				

**ENGINEERING CONTROLS:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should

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be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** If contact is likely, safety glasses with side shields are recommended.

**SKIN:** For prolonged or repeated skin contact use suitable protective gloves. Wear suitable protective clothing.

**RESPIRATORY:** In case of insufficient ventilation, wear suitable respiratory equipment.

**WORK HYGIENIC PRACTICES:** Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminant.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** No data available

**ODOR THRESHOLD:** No data available

**APPEARANCE:** Black thick liquid.

**COLOR:** Black.

**PHYSICAL STATE COMMENTS:** Liquid. Paste.

**pH:** No data available

**PERCENT VOLATILE:** 0.005% estimated

**FLASHPOINT AND METHOD:** No data available

**FLAMMABLE LIMITS:** No data available

**AUTOIGNITION TEMPERATURE:** No data available

**VAPOR PRESSURE:** 0.000009 hPa estimated

**VAPOR DENSITY:** No data available

**BOILING POINT:** No data available

**FREEZING POINT:** No data available

**MELTING POINT:** 565°C (1049°F)

**POUR POINT:** No data available

**THERMAL DECOMPOSITION:** No data available

**SOLUBILITY IN WATER:** No data available

**PARTITION COEFFICIENT: N-OCTANOL/WATER:** No data available

**EVAPORATION RATE:** No data available

**DENSITY:** 14.98 lbs/gal estimated

**SPECIFIC GRAVITY:** 1.8 estimated

**VISCOSITY:** No data available

**MOLECULAR WEIGHT:** No data available

**(VOC):** 0.005 % estimated

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## 10. STABILITY AND REACTIVITY

**REACTIVITY:** This product is stable and non-reactive under normal conditions of use, storage, and transport.

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Contact with incompatible materials.

**POSSIBILITY OF HAZARDOUS REACTIONS:** No dangerous reactions known under conditions of normal use.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No hazardous decomposition products are known.

**INCOMPATIBLE MATERIALS:** Flourine

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	INHALATION LC <sub>50</sub> (rat)
Calcium Carbonate (limestone)	6450 mg/kg	
Solvent naphtha	> 25 ml/kg	61 mg/l 4 hr (rat)

**SKIN CORROSION/IRRITATION:** Prolonged skin contact may cause temporary irritation.

**SERIOUS EYE DAMAGE/IRRITATION:** Direct contact with eyes may cause temporary irritation.

**RESPIRATORY OR SKIN SENSITISATION:** Not a respiratory sensitizer.

**GERM CELL MUTAGENICITY:** May cause genetic defects.

**STOT-SINGLE EXPOSURE:** Not classified.

**STOT-REPEATED EXPOSURE:** Not classified.

**ASPIRATION HAZARD:** Not an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Keep material out of storm sewers and ditches which lead to waterways.

**ECOTOXICOLOGICAL INFORMATION:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**BIOACCUMULATION/ACCUMULATION:** No data available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in a manner consistent with federal, state, and local regulations.

**EMPTY CONTAINER:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** NOT REGULATED

**AIR (ICAO/IATA)**

**SHIPPING NAME:** NOT REGULATED

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## VESSEL (IMO/IMDG)

SHIPPING NAME: NOT REGULATED

**COMMENTS:** The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations, and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

## UNITED STATES

## SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

313 REPORTABLE INGREDIENTS: Not regulated.

## CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not listed.

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Calcium Carbonate (limestone)	1317-65-3
Iron oxide	1309-37-1
Magnesium Carbonate	546-93-0
Solvent naphtha	64742-94-5
Other components below reportable levels	

TSCA STATUS: The components of this product are listed on the TSCA Inventory or are otherwise exempt.

## CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Not regulated.

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): Not regulated.

## OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## REGULATIONS

STATE REGULATIONS: California Controlled Substances Dept of Justice (CA Health and Safety Code section 11100): Not listed.

California Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, title. 22, 69502.3 subd. (a)): Not listed.

Massachusetts RTK - Substance List: Calcium carbonate (CAS 1317-65-3), Iron oxide (CAS 1309-37-1), Magnesium carbonate (CAS 546-93-0).

New Jersey Worker and Community Right-to-Know Act: Calcium carbonate (CAS 1317-65-3), Heavy aromatic naphtha (CAS 64742-94-5), Iron oxide (CAS 1309-37-1), Magnesium carbonate (546-93-0).

Pennsylvania Worker and Community Right-to-Know Law: Calcium carbonate (CAS 1317-65-3), Iron oxide (CAS 1309-

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37-1).

Rhode Island RTK: Not regulated.

**CALIFORNIA PROPOSITION 65: WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**SDWA (SAFE DRINKING WATER ACT):** Not regulated.

## 16. OTHER INFORMATION

**APPROVED BY:** Pacer Technology Regulatory Department

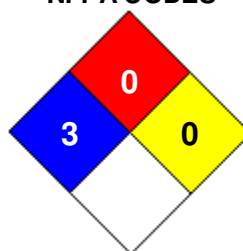
**PREPARED BY:** Pacer Technology Regulatory Department **Date-Revised:** 09/28/2017

**REVISION SUMMARY:** This MSDS replaces the 04/26/2017 MSDS.

## HMIS RATING

HEALTH	*	3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

## NFPA CODES



## MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Pacer Technology does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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Date Prepared : 03/05/2015

MSDS No : QUICK COLD EPOXY-GHS - HARDENER

Date-Revised : 05/01/2017

Revision No : 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** PRO WELD QUICK COLD EPOXY - HARDENER**PRODUCT CODE:** Pro Weld Quick Cold Hardener**MANUFACTURER**

Pacer Technology  
3281 E. Guasti Rd., Suite 260  
Ontario, CA 91761

**Emergency Contact:** CHEMTREC**Emergency Phone:** 800-424-9300**Alternate Emergency Phone:** 703-527-3887**Product Stewardship:** 909-987-0550**24 HR. EMERGENCY TELEPHONE NUMBERS**

CHEMTREC (800) 424-9300

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Acute Toxicity (Oral), Category 4  
Acute Toxicity (Dermal), Category 4  
Skin corrosion/irritation, Category 2  
Serious eye damage/irritation, Category 1  
Reproductive Toxicity, Category 2

**Environmental:**

Aquatic Hazard (Acute), Category 1  
Aquatic Hazard (Long-Term), Category 2

**GHS LABEL ELEMENTS**

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.



Corrosion

Health  
hazardExclamation  
mark**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H302 + H312: Harmful if swallowed or in contact with skin.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H361: Suspected of damaging fertility or the unborn child.  
H400: Very toxic to aquatic life.  
H411: Toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENT(S)**



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## Prevention:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P264: Wash skin and hands thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P363: Wash contaminated clothing before reuse.

## Response:

- P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302+352: IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P391: Collect spillage.

## Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.

## Disposal:

- P501: Dispose of in a manner consistent with federal, state, and local regulations.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Barium sulfate	30 - 40	7727-43-7
Talc	10 - 20	14807-96-6
Calcium Carbonate (limestone)	5 - 10	1317-65-3
Magnesium Carbonate	5 - 10	546-93-0
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	1 - 5	90-72-2
4-NONYLPHENOL, BRANCHED	1 - 5	84852-15-3
Silica, Amorphous, Fumed	1 - 5	112945-52-5
Other components below reportable levels	20 - 30	

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**SKIN:** Remove contaminated clothing. Wash with plenty of soap and water. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

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**INGESTION:** Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

**INHALATION:** Move to fresh air. Call a physician if symptoms develop or persist.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**SKIN:** Skin irritation. May cause redness and pain.

**COMMENTS:** IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this Safety Data Sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** During fire, gases hazardous to health may be formed.

**EXTINGUISHING MEDIA:** Water fog, foam, dry chemical powder, Carbon dioxide (CO<sub>2</sub>).

**OTHER CONSIDERATIONS:** Do not use water jet as an extinguisher, as this will spread the fire.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**LARGE SPILL:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**LAND SPILL:** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**AIR SPILL:** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**GENERAL PROCEDURES:** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**COMMENTS:** Never return spills to the original containers for re-use.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Obtain special instructions before use.

**HANDLING:** Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink, or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems if possible. Provide adequate ventilation. Wear

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appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

**STORAGE:** Store locked up. Store in original tightly closed container. Store away from incompatible materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m <sup>3</sup>
Barium sulfate	OSHA PEL	PEL	[1]	5 [1]
	ACGIH TLV	TWA	[2]	5 [2]
Talc	ACGIH TLV	TWA	[1]	2 [1]
	OSHA PEL	TWA	[3]	0.3 [3]
		TWA	[4]	0.1 [4]
	OSHA PEL	PEL	[3]	15 [3]
		PEL	[1]	5 [1]
Calcium Carbonate (limestone)	ACGIH TLV	ACGIH	[3]	10 [3]
		ACGIH	[1]	3 [1]
	OSHA PEL	PEL	[3]	15 [3]
		PEL	[1]	5 [1]
Magnesium Carbonate	OSHA PEL	PEL	[3]	15 [3]
		PEL	[1]	5 [1]
Silica, Amorphous, Fumed	OSHA PEL	PEL	N/A	6 mg/m3
	ACGIH TLV	TLV	N/A	10 mg/m3

## OSHA TABLE COMMENTS:

1. Respirable fraction.
2. Inhalable fraction.
3. Total dust.
4. Respirable.

**ENGINEERING CONTROLS:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate. Eye wash facilities and emergency shower must be available when handling this product.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles) and a face shield.

**SKIN:** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**RESPIRATORY:** In case of insufficient ventilation, wear suitable respiratory equipment.

**WORK HYGIENIC PRACTICES:** Observe any medical surveillance requirements. Keep away from food and drink. Always

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observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminant.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid  
**ODOR:** Slight  
**ODOR THRESHOLD:** No data available  
**APPEARANCE:** Liquid. Paste.  
**COLOR:** Not assigned.  
**pH:** No data available  
**PERCENT VOLATILE:** 2.44% estimated.  
**FLASHPOINT AND METHOD:** 258°C (496.4°F) estimated  
**FLAMMABLE LIMITS:** No data available  
**AUTOIGNITION TEMPERATURE:** No data available  
**VAPOR PRESSURE:** 0.00001 hPa estimated  
**VAPOR DENSITY:** No data available  
**BOILING POINT:** No data available  
**FREEZING POINT:** No data available  
**MELTING POINT:** 990°C (1814°F) estimated  
**POUR POINT:** No data available  
**THERMAL DECOMPOSITION:** No data available  
**SOLUBILITY IN WATER:** No data available  
**PARTITION COEFFICIENT: N-OCTANOL/WATER:** No data available  
**EVAPORATION RATE:** No data available  
**DENSITY:** 15.56 lbs/gal  
**SPECIFIC GRAVITY:** 1.87  
**VISCOSITY:** No data available  
**MOLECULAR WEIGHT:** No data available  
**(VOC):** 2.44 % estimated  
**OXIDIZING PROPERTIES:** Not oxidizing.

### 10. STABILITY AND REACTIVITY

**REACTIVITY:** This product is stable and non-reactive under normal conditions of use, storage, and transport.  
**STABILITY:** Stable under normal conditions.  
**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** No dangerous reactions known under conditions of normal use.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.

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**INCOMPATIBLE MATERIALS:** Aluminum. Phosphorus. Fluorine.

## 11. TOXICOLOGICAL INFORMATION

## ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Calcium Carbonate (limestone)	6450 mg/kg	
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	2169 mg/kg (rat)	> 971 mg/kg (rat)

**SKIN CORROSION/IRRITATION:** Causes skin irritation.

**SERIOUS EYE DAMAGE/IRRITATION:** Causes serious eye irritation.

**RESPIRATORY OR SKIN SENSITISATION:** Not a respiratory sensitizer.

**GERM CELL MUTAGENICITY:** No data available to indicate product or any components present greater than 0.1% are mutagenic or genotoxic.

## CARCINOGENICITY

**IARC:** Silica, amorphous fumed (CAS 112945-52-5), Group 3 - Not classifiable as to carcinogenicity to humans.

**NTP:** Not listed.

**OSHA:** Not regulated.

**NOTES:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**REPRODUCTIVE TOXICITY:** Suspected of damaging fertility or the unborn child.

**STOT-SINGLE EXPOSURE:** Not classified.

**STOT-REPEATED EXPOSURE:** Not classified.

**ASPIRATION HAZARD:** Not an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**BIOACCUMULATION/ACCUMULATION:** Partition coefficient n-octanol/water (log Kow): Nonylphenol.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in a manner consistent with federal, state, and local regulations.

**PRODUCT DISPOSAL:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**EMPTY CONTAINER:** Since emptied container may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** NOT REGULATED

**AIR (ICAO/IATA)**

## SAFETY DATA SHEET



Date Prepared : 03/05/2015  
 MSDS No : QUICK COLD EPOXY-GHS - HARDENER  
 Date-Revised : 05/01/2017  
 Revision No : 1

**SHIPPING NAME:** NOT REGULATED

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** NOT REGULATED

**COMMENTS:** The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations, and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** Not regulated.

#### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** Not regulated.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Barium sulfate (CAS 7727-43-7) - Listed.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Barium sulfate	7727-43-7
Talc	14807-96-6
Calcium Carbonate (limestone)	1317-65-3
Magnesium Carbonate	546-93-0
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	90-72-2
4-NONYLPHENOL, BRANCHED	84852-15-3
Silica, Amorphous, Fumed	112945-52-5

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

### CLEAN AIR ACT

**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** Not regulated.

**CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS):** Not regulated.

### OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

**29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### REGULATIONS

**STATE REGULATIONS:** California Controlled Substances Dept of Justice (CA Health and Safety Code section 11100): Not listed.

## SAFETY DATA SHEET



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**California Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, title. 22, 69502.3 subd. (a)):** Nonylphenol (CAS 84852-15-3), Talc (CAS 14807-96-6).

**Massachusetts RTK - Substance List:** Barium sulfate (CAS 7727-43-7), Calcium carbonate (CAS 1317-65-3), Magnesium carbonate (CAS 546-93-0), Nonylphenol (CAS 84852-15-3), Silica amorphous fumed (CAS 112945-52-5), Talc (CAS 14807-96-6).

**New Jersey Worker and Community Right-to-Know Act:** Barium sulfate (CAS 7727-43-7), Calcium carbonate (CAS 1317-65-3), Magnesium carbonate (CAS 546-93-0), Talc (CAS 14807-96-6).

**Pennsylvania Worker and Community Right-to-Know Law:** Barium sulfate (CAS 7727-43-7), Calcium carbonate (CAS 1317-65-3), Nonylphenol (CAS 84852-15-3), Silica amorphous fumed (CAS 112945-52-5), Talc (CAS 14807-96-6).

**Rhode Island RTK:** Not regulated.

**CALIFORNIA PROPOSITION 65:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## 16. OTHER INFORMATION

**APPROVED BY:** Pacer Technology Regulatory Department

**PREPARED BY:** Pacer Technology Regulatory Department **Date-Revised:** 05/01/2017

**REVISION SUMMARY:** This MSDS replaces the 03/05/2015 MSDS.

## HMIS RATING

HEALTH	*	3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

## NFPA CODES

