

# SAFETY DATA SHEET

**PACER**  
**TECHNOLOGY**  
INDUSTRIAL • PRIVATE LABEL



Date Prepared : 05/26/2015  
MSDS No : REAR VIEW MIRROR ADH-GHS - ADHES  
Date-Revised : 09/26/2016  
Revision No : 4

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** SUPER GLUE REAR VIEW MIRROR ADH. (14104, 15193) - ADHESIVE

### 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

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Skin Corrosion, Category 1A  
Skin Sensitization, Category 1  
Target Organ Toxicity (Single exposure), Category 3

#### Environmental:

Chronic Hazards to the Aquatic Environment, Category 3

### GHS LABEL ELEMENTS



Corrosion



Exclamation  
mark

**SIGNAL WORD:** DANGER

### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H335: May cause respiratory irritation.  
H412: Harmful to aquatic life with long lasting effects.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P202: Do not handle until all safety precautions have been read and understood.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P262: Do not get in eyes, on skin, or on clothing.  
P264: Wash skin and hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.

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P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P314: Get medical advice/attention if you feel unwell.  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P363: Wash contaminated clothing before reuse.

**Response:**

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

**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
2-HYDROXYETHYL METHACRYLATE	20 - 40	868-77-9
2-Propenoic acid	5 - 10	79-10-7
2,6-di-tert-butyl-p-cresol	< 5	128-37-0
Ethylene glycol	< 5	107-21-1
Maleic acid	< 5	110-16-7
Quinone	< 5	106-51-4
Cumene Hydroperoxide	< 1	80-15-9
2-Methoxy-1-Methylethylacetate	0.15 - 0.3	108-65-6
Cumene	0.02 - 0.155	98-82-8
Acetic Acid	≤ 0.000183	64-19-7

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

**INGESTION:** Do not induce vomiting. Get immediate medical attention and show container label.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Causes eye irritation.

**SKIN:** Causes skin irritation. Allergic reactions are possible.

**SKIN ABSORPTION:** No data available on this product.

**INGESTION:** Mildly to moderately irritating.

**INHALATION:** Mildly to moderately irritating.

**ACUTE EFFECTS:** Irritating to skin. May cause allergic skin reaction with prolonged contact.

**CHRONIC EFFECTS:** May cause skin sensitization.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not Flammable

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.

**EXPLOSION HAZARDS:** Use water spray to cool containers.

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

**FIRE EXPLOSION:** Containers may rupture violently under fire temperatures. Cool containers with water if exposed to fire conditions.

**SENSITIVE TO STATIC DISCHARGE:** No data available.

**SENSITIVITY TO IMPACT:** No data available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, carbon dioxide and unknown fumes.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb liquid and place in sealed container for disposal.

**LARGE SPILL:** Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed container for disposal.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

**LAND SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**AIR SPILL:** No data available.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

**HANDLING:** Avoid contact with skin and eyes. Wash thoroughly after handling.

**STORAGE:** Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

**STORAGE TEMPERATURE:** Suggested storage conditions: Less than 77F/25C. Protect from freezing.

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**LOADING TEMPERATURE:** No data available.  
**LOADING/UNLOADING VISCOSITY:** No data available.  
**STORAGE PRESSURE:** No data available.  
**ELECTROSTATIC ACCUMULATION HAZARD:** No data available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
2-Propenoic acid	ACGIH TLV	TWA	2	
		STEL	2	
2,6-di-tert-butyl-p-cresol	ACGIH TLV	TWA		2
Ethylene glycol	ACGIH TLV	TWA	[1]	100 [1]
Quinone	OSHA PEL	TWA	0.1	0.4
	ACGIH TLV	TWA	0.1	0.44
Cumene Hydroperoxide	OSHA PEL	TWA	50	245
Cumene	OSHA PEL	TWA	50	245
	ACGIH TLV	TWA	50	246
Acetic Acid	OSHA PEL	TWA	10	25
		TWA	10	25
	ACGIH TLV	STEL	15	37

## OSHA TABLE COMMENTS:

1. Aerosol only

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** Vinyl or rubber gloves.

**RESPIRATORY:** If ventilation is not adequate, wear NIOSH approved respiratory protection.

**PROTECTIVE CLOTHING:** Wear protective clothing. Launder contaminated clothing before reuse.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic odor, intensely irritating.

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**ODOR THRESHOLD:** No data available on this product.  
**APPEARANCE:** Dark amber colored thick liquid.  
**COLOR:** Amber.  
**pH:** No data available  
**PERCENT VOLATILE:** No data available  
**FLASHPOINT AND METHOD:** > 93°C (200°F) Pensky-Martens CC  
**AUTOIGNITION TEMPERATURE:** No data available  
**VAPOR PRESSURE:** < 5 mmHg at 27°C (80°F)  
**VAPOR DENSITY:** No data available  
**BOILING POINT:** > 148°C (300°F)  
**FREEZING POINT:** No data available  
**MELTING POINT:** No data available  
**POUR POINT:** No data available  
**THERMAL DECOMPOSITION:** No data available  
**SOLUBILITY IN WATER:** Poorly soluble in water.  
**PARTITION COEFFICIENT: N-OCTANOL/WATER:** No data available  
**EVAPORATION RATE:** No data available  
**DENSITY:** No data available  
**SPECIFIC GRAVITY:** 1.09  
**VISCOSITY:** No data available  
**(VOC):** 46.2 %

#### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** No  
**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Avoid temperatures exceeding 100F/38C and incompatible materials.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reactions are possible when exposed to incompatible materials.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.  
**INCOMPATIBLE MATERIALS:** Strong acids and alkalis, reactive metals and strong oxidizing agents.

#### 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY**

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Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
2-HYDROXYETHYL METHACRYLATE	5564 mg/kg	> 3000 mg/kg	
2-Propenoic acid		640 mg/kg (rabbit)	3.6 mg/L per 4 hr (rat)
2,6-di-tert-butyl-p-cresol	890 mg/kg (rat)	> 2000 mg/kg (rat)	
Ethylene glycol	> 5000 mg/kg (rat)	10626 mg/kg (rabbit)	
Maleic acid	2870 mg/kg (rat)	2620 mg/kg (rabbit)	
Quinone	130 mg/kg (rat)		
Cumene Hydroperoxide	382 mg/kg (rat)	133 mg/kg (rabbit)	220 ppm per 4 hr (rat)
2-Methoxy-1-Methylethylacetate	6190 mg/kg	> 2000 mg/kg (rat)	
Cumene	> 2000 mg/kg (rat)	10578 mg/kg (rabbit)	8000 ppm per 4 hr (rat)
Acetic Acid	6190 mg/kg		

**SKIN CORROSION/IRRITATION:** May cause severe skin burns and eye damage with direct or prolonged contact.

**SERIOUS EYE DAMAGE/IRRITATION:** May cause eye irritation, skin irritation and irritation of respiratory tract.

**RESPIRATORY OR SKIN SENSITISATION:** May cause sensitization by skin contact.

**GERM CELL MUTAGENICITY:** No data available on this product.

#### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
2,6-di-tert-butyl-p-cresol		3
Quinone		3
Cumene	Reasonably anticipated to be a human carcinogen.	2B

**NOTES:** See chart - acute notes.

**REPRODUCTIVE TOXICITY:** No data available on this product.

**STOT-SINGLE EXPOSURE:** See chart - Acute notes.

#### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Use precautions to avoid release to sewers/drains/surface water and soil.

**ECOTOXICOLOGICAL INFORMATION:** No data available.

**BIOACCUMULATION/ACCUMULATION:** No data available.

#### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with local, State, and Federal regulations.

#### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

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**PROPER SHIPPING NAME:** Not restricted

**ROAD AND RAIL (ADR/RID)**

**PROPER SHIPPING NAME:** Not restricted

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Not restricted

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Not restricted

**CANADA TRANSPORT OF DANGEROUS GOODS**

**SHIPPING NAME:** Not restricted

### 15. REGULATORY INFORMATION

#### UNITED STATES

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

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

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
2-Propenoic acid	5 - 10	79-10-7
Quinone	< 5	106-51-4

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

Chemical Name	Wt.%	CERCLA RQ
2-Propenoic acid	5 - 10	5,000
Quinone	< 5	10
Cumene Hydroperoxide	< 1	10
Cumene	0.02 - 0.155	5,000
Acetic Acid	≤ 0.000183	5,000

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

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Chemical Name	CAS
2-HYDROXYETHYL METHACRYLATE	868-77-9
2-Propenoic acid	79-10-7
2,6-di-tert-butyl-p-cresol	128-37-0
Ethylene glycol	107-21-1
Maleic acid	110-16-7
Quinone	106-51-4
Cumene Hydroperoxide	80-15-9
Cumene	98-82-8
Acetic Acid	64-19-7

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

**CALIFORNIA PROPOSITION 65: WARNING:** This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Ethylene glycol (CAS 107-21-1), Cumene (CAS 98-82-8).

Chemical Name	Wt.%	Listed
Ethylene glycol	< 5	Developmental Toxicity
Cumene	0.02 - 0.155	Cancer

## 16. OTHER INFORMATION

**APPROVED BY:** Pacer Technology Regulatory Department

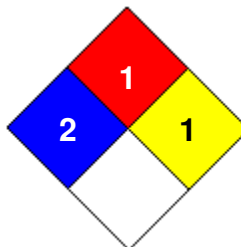
**PREPARED BY:** Pacer Technology Regulatory Department **Date-Revised:** 09/26/2016

**REVISION SUMMARY:** This MSDS replaces the 05/26/2015 MSDS. Revised: **Section 1:** APPROVED BY, PREPARED BY, TITLE. **Section 5:** SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. **Section 6:** AIR SPILL. **Section 7:** ELECTROSTATIC ACCUMULATION HAZARD, LOADING TEMPERATURE, LOADING/UNLOADING VISCOSITY, STORAGE PRESSURE. **Section 8:** ENGINEERING CONTROLS. **Section 9:** AUTOIGNITION TEMPERATURE, BOILING POINT, COEFF. OIL/WATER, DENSITY, EVAPORATION RATE, FREEZING POINT, MELTING POINT, PERCENT VOLATILE, pH, POUR POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR DENSITY, VISCOSITY, (VOC), THERMAL DECOMPOSITION. **Section 10:** STABLE. **Section 11:** ACUTE. **Section 12:** ECOTOXICOLOGICAL INFORMATION, BIOACCUMULATION/ACCUMULATION. **Section 13:** DISPOSAL METHOD. **Section 15:** FIRE, REACTIVITY, CALIFORNIA PROPOSITION 65, WHMIS CLASS.

## HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	B

## NFPA CODES



**HMIS RATINGS NOTES:** Safety glasses and gloves are recommended for usage.



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### 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.

## SAFETY DATA SHEET



Date Prepared : 05/26/2015  
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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** SUPER GLUE REAR VIEW MIRROR ADH. (14104, 15193) - ACTIVATOR

**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

## 2. HAZARDS IDENTIFICATION

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

Eye Irritation, Category 2  
 Target Organ Toxicity (Single exposure), Category 3

**Physical:**

Flammable Liquids, Category 2

**GHS LABEL ELEMENTS**

Flame

Exclamation  
mark

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

H225: Highly flammable liquid and vapour.  
 H319: Causes serious eye irritation.  
 H336: May cause drowsiness or dizziness.

**PRECAUTIONARY STATEMENT(S)****Prevention:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.  
 P233: Keep container tightly closed.  
 P243: Take action to prevent static discharges.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash skin and hands thoroughly after handling.  
 P271: Use only outdoors or in a well-ventilated area.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P313: Get medical advice/attention.  
 P337+P313: If eye irritation persists: Get medical advice/attention.

**Storage:**

P403+P235: Store in a well-ventilated place. Keep cool.  
 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
Isopropanol	85 - 100	67-63-0
Proprietary additive	< 1	Proprietary

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.  
**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.  
**INGESTION:** Do not induce vomiting. Keep person warm, quiet and get medical attention.  
**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Symptoms may include tearing along with a severe burning sensation. Permanent damage to eye tissue likely if material is not removed quickly.  
**SKIN:** Contact causes skin irritation.  
**SKIN ABSORPTION:** No data available on this product.  
**INGESTION:** Ingestion of this material can cause mouth, throat, esophageal, and gastrointestinal tract irritation.  
**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.  
**ACUTE EFFECTS:** Headache, nausea, and possible coordination problems.  
**CHRONIC EFFECTS:** Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

**NOTES TO PHYSICIAN:** Physician Note: No specific antidote; treat through control of symptoms.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** GHS Flammable liquid, Category 2  
**GENERAL HAZARD:** Flammable liquid and vapor.

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- EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
- HAZARDOUS COMBUSTION PRODUCTS:** Combustible by-products of carbon monoxide and dioxide.
- EXPLOSION HAZARDS:** Containers may rupture violently under fire temperatures. Cool containers with water if exposed to fire conditions.
- FIRE FIGHTING PROCEDURES:** Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.
- FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
- FIRE EXPLOSION:** Product is Flammable. Respiratory protection required for firefighters. Stay upwind from fire if possible when fire-fighting.
- SENSITIVE TO STATIC DISCHARGE:** No data available on this product.
- SENSITIVITY TO IMPACT:** No data available on this product.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Combustible by-products of carbon monoxide/dioxide.

### 6. ACCIDENTAL RELEASE MEASURES

- SMALL SPILL:** Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source.
- LARGE SPILL:** Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.
- ENVIRONMENTAL PRECAUTIONS**
- WATER SPILL:** Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed container for disposal.
- LAND SPILL:** No data available on this product.
- AIR SPILL:** No data available on this product.
- GENERAL PROCEDURES:** Eliminate all ignition sources if safe to do so.
- SPECIAL PROTECTIVE EQUIPMENT:** Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section).

### 7. HANDLING AND STORAGE

- GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing.
- HANDLING:** Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Do not allow product to contact open flame or electrical heating elements because dangerous decomposition products may form.
- STORAGE:** Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.
- STORAGE TEMPERATURE:** Do not store in Aluminum container above 120F (49C).
- LOADING TEMPERATURE:** No data available on this product.
- LOADING/UNLOADING VISCOSITY:** No data available on this product.
- STORAGE PRESSURE:** No data available on this product.
- ELECTROSTATIC ACCUMULATION HAZARD:** Take measures to prevent the buildup of electrostatic charge.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isopropanol	TWA	400 ppm	980 mg/m <sup>3</sup>	200 ppm	490 mg/m <sup>3</sup>	NL [1]	NL [1]
	STEL	No data available	No data available	400 ppm	960 mg/m <sup>3</sup>	NL	NL
<b>OSHA TABLE COMMENTS:</b>							
1. NL = Not Listed							

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** Vinyl or rubber gloves.

**RESPIRATORY:** NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**PROTECTIVE CLOTHING:** Wear suitable protective clothing and gloves.

**WORK HYGIENIC PRACTICES:** Wash with soap and water. Get medical attention if irritation develops or persists.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Alcohol odor

**ODOR THRESHOLD:** No data available on this product.

**APPEARANCE:** Blue liquid.

**COLOR:** Blue.

**pH:** No data available on this product.

**PERCENT VOLATILE:** No data available on this product.

**FLASHPOINT AND METHOD:** 12°C (53°F) TAG CC

**FLAMMABLE LIMITS:** 2.0% to 12%

**AUTOIGNITION TEMPERATURE:** No data available on this product.

**VAPOR PRESSURE:** 32 mmHg at 20°C (68°F)

## SAFETY DATA SHEET



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**VAPOR DENSITY:** 2.1 (Air=1)  
**BOILING POINT:** 82°C (180°F)  
**FREEZING POINT:** No data available on this product.  
**MELTING POINT:** No data available on this product.  
**POUR POINT:** No data available on this product.  
**THERMAL DECOMPOSITION:** No data available on this product.  
**SOLUBILITY IN WATER:** Fully miscible  
**PARTITION COEFFICIENT: N-OCTANOL/WATER:** No data available on this product.  
**EVAPORATION RATE:** 7.7 (n-Butyl Acetate=1)  
**SPECIFIC GRAVITY:** 0.79 (water=1)  
**VISCOSITY:** No data available on this product.  
**(VOC):** 790.000 g/L

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes  
**HAZARDOUS POLYMERIZATION:** No  
**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** No data available on this product.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.  
**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

## ACUTE

**DERMAL LD<sub>50</sub>:** 12800 mg/kg (rabbit)  
**SKIN ABSORPTION:** No data available on this product.  
**ORAL LD<sub>50</sub>:** 5045 mg/kg (rat)  
**INHALATION LC<sub>50</sub>:** 16000 ppm/8hr (rat)  
**EYE EFFECTS:** Symptoms may include tearing along with a severe burning sensation. Permanent damage to eye tissue likely if material is not removed quickly.  
**SKIN EFFECTS:** Irritating to skin. May cause allergic skin reaction with prolonged contact.  
**CHRONIC:** Repeated exposure may cause skin dryness or cracking.  
**SUBCHRONIC:** No data available on this product.

## CARCINOGENICITY

**IARC:** Isopropanol: Group 3 - Not classifiable as to its carcinogenicity to humans.  
**NTP:** Not listed.  
**OSHA:** Not listed.

## SAFETY DATA SHEET



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**IRRITATION:** May cause serious eye irritation.

**CORROSIVITY:** No data available on this product.

**SENSITIZATION:** No data available on this product.

**NEUROTOXICITY:** No data available on this product.

**GENETIC EFFECTS:** No data available on this product.

**REPRODUCTIVE EFFECTS:** No data available on this product.

**TARGET ORGANS:** Inhalation may cause temporary dizziness, headache, possible nausea. Symptoms normally disappear when exposure ceases. Eye/skin contact may cause discomfort by defatting action of solvents.

**TERATOGENIC EFFECTS:** No data available on this product.

**MUTAGENICITY:** No data available on this product.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Avoid runoff into storm sewers and ditches which lead to waterways.

**ECOTOXICOLOGICAL INFORMATION:** No data available for this product.

**BIOACCUMULATION/ACCUMULATION:** No data available on this product.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** UN1219, ISOPROPANOL, 3, II

**AIR (ICAO/IATA)**

**SHIPPING NAME:** UN1219, ISOPROPANOL, 3, II

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** UN1219, ISOPROPANOL, 3, II

## 15. REGULATORY INFORMATION

**UNITED STATES**

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

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

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Isopropanol	85 - 100	67-63-0

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

## SAFETY DATA SHEET

**PACER**  
**TECHNOLOGY**  
INDUSTRIAL • PRIVATE LABEL



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Chemical Name	CAS
Isopropanol	67-63-0
Proprietary additive	Proprietary

**TSCA STATUS:** All components are listed on or are exempt from listing on the Toxic Substances Control Act.

**CALIFORNIA PROPOSITION 65:** No California Proposition 65 ingredients are known to be in this product.

## CANADA

## WHMIS HAZARD SYMBOL AND CLASSIFICATION



Flammable  
Liquid



Toxic

**WHMIS CLASS:** Class B2 - Flammable Liquid, D2B - Toxic.

## 16. OTHER INFORMATION

**APPROVED BY:** Samantha Stouffer    **TITLE:** Quality and Safety Manager

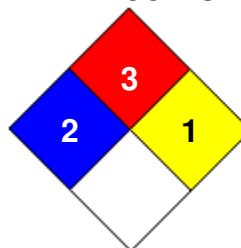
**PREPARED BY:** Samantha Stouffer    **Date-Revised:** 05/26/2015

**REVISION SUMMARY:** This MSDS replaces the 12/23/2014 MSDS. Revised: **Section 1:** APPROVED BY, Date Issued, PREPARED BY, TITLE. **Section 2:** . **Section 6:** AIR SPILL, . **Section 13:** DISPOSAL METHOD, EMPTY CONTAINER, PRODUCT DISPOSAL.

## HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

## NFPA CODES



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