

## SAFETY DATA SHEET



Date Prepared : 12/10/2012  
 MSDS No : HOUSEHOLD CEMENT-GHS  
 Date-Revised : 02/19/2018  
 Revision No : 9

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** HOUSEHOLD CEMENT (T-HCT)

**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:**

Eye Irritation, Category 2A  
 Skin Sensitization, Category 1  
 Carcinogenicity, Category 1A  
 Target Organ Toxicity (Single exposure), Category 3

**Physical:**

Flammable Liquids, 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.



Flame

Health  
hazardExclamation  
mark

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

H225: Highly flammable liquid and vapour.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H336: May cause drowsiness or dizziness.  
 H350: May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

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

P201: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.

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P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground and bond container and receiving equipment.  
 P241: Use explosion-proof electrical/ventilating/lighting equipment.  
 P242: Use only non-sparking tools.  
 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.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P363: Wash contaminated clothing before reuse.

**Response:**

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 person to fresh air and keep 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.  
 P308+P313: IF exposed or concerned: Get medical advice/ attention.  
 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.  
 P370: In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235: Store in a well-ventilated place. Keep cool.  
 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
Methyl ethyl ketone	25 - 50	78-93-3
Vinyl chloride	2.5 - 10	75-01-4
Acetone	< 2.5 - 10	67-64-1
Vinyl acetate	≤ 0.1 - 2.5	108-05-4
3,4-Epoxy cyclohexylmethyl 3,4-epoxy cyclohexanecarboxylate	< 0.1 - 1	2386-87-0
Maleic acid	< 0.1 - 1	110-16-7

**4. FIRST AID MEASURES**

**EYES:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**SKIN:** Immediately wash with water and soap and rinse thoroughly.

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**INGESTION:** If symptoms persist consult doctor. Do not induce vomiting.

**INHALATION:** Supply fresh air and be sure to call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

**LAND SPILL:** Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

**AIR SPILL:** Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear protective equipment. Keep unprotected persons away.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Ensure good ventilation/exhaustion at the workplace.

**HANDLING:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

**STORAGE:** Store in cool, dry conditions in well sealed receptacles. Keep receptacle tightly sealed.

**ELECTROSTATIC ACCUMULATION HAZARD:** Take measures to prevent the buildup of electrostatic charge.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Methyl ethyl ketone	OSHA PEL	TWA	200	590
	ACGIH TLV	TWA	200	590
		STEL	300	885
Acetone	OSHA PEL	TWA	1000	2400
		STEL	[1]	[1]
	ACGIH TLV	TWA	500	1187
		STEL	[1]	[1]

### OSHA TABLE COMMENTS:

1. No data available

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

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levels below recommended exposure limits. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes. Avoid contact with the eyes and skin.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Tightly sealed goggles.

**SKIN:** The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of glove material should take into consideration the penetration times, rates of diffusion and the degradation.

**RESPIRATORY:** In case of brief exposure or low pollution use respiratory filter device. In case of longer exposure use respiratory protective device that is independent of circulating air.

**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.

**ODOR THRESHOLD:** No data available

**APPEARANCE:** Clear, Colorless liquid

**COLOR:** Clear.

**pH:** No data available

**PERCENT VOLATILE:** No data available

**FLASHPOINT AND METHOD:** -8°C (18°F)

**FLAMMABLE LIMITS:** 1.8 Vol % to 11.5 Vol%

**AUTOIGNITION TEMPERATURE:** Product is not selfigniting.

**VAPOR PRESSURE:** 79 mm Hg at 20°C (68°F)

**VAPOR DENSITY:** Heavier than air

**BOILING POINT:** 36°C (97°F)

**MELTING POINT:** No data available

**POUR POINT:** No data available

**THERMAL DECOMPOSITION:** No data available

**SOLUBILITY IN WATER:** Fully miscible

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

**EVAPORATION RATE:** Slower than (n-Butyl Acetate)

**DENSITY:** 0.941 g/cm<sup>3</sup> (7.853 lbs/gal)

**SPECIFIC GRAVITY:** 0.941

**VISCOSITY:** No data available

**MOLECULAR WEIGHT:** No data available

**(VOC):** 455 g/L

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## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No data available

**HAZARDOUS POLYMERIZATION:** No dangerous reactions known.

**STABILITY:** Stable

**CONDITIONS TO AVOID:** No data available

**POSSIBILITY OF HAZARDOUS REACTIONS:** Under normal conditions of storage and use, hazardous reactions will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No dangerous decomposition products known.

**INCOMPATIBLE MATERIALS:** No data available

## 11. TOXICOLOGICAL INFORMATION

## ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Methyl ethyl ketone	2483 mg/kg (rat)	5000 mg/kg (rabbit)	
Vinyl chloride	500 mg/kg (rat)		
Acetone	5800 mg/kg	7426 mg/kg (guinea pig)	50100 mg/kg
Vinyl acetate	2920 mg/kg (rat)	2335 mg/kg (rabbit)	14.1 mg/L per 4 hr (rat)
Maleic acid	2870 mg/kg (rat)	2620 mg/kg (rabbit)	

**SKIN CORROSION/IRRITATION:** No irritant effect.

**SERIOUS EYE DAMAGE/IRRITATION:** Irritating effect.

**RESPIRATORY OR SKIN SENSITISATION:** Sensitization possible through skin contact.

## CARCINOGENICITY

**IARC:** Vinyl chloride: Group 1, Vinyl acetate: Group 2B

**NTP:** Vinyl chloride: Group K

**OSHA:** Vinyl chloride

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system.

**AQUATIC TOXICITY (ACUTE):** No data available

**GENERAL COMMENTS:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

## 13. DISPOSAL CONSIDERATIONS

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

**PRODUCT DISPOSAL:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

## 14. TRANSPORT INFORMATION

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**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** UN1133, ADHESIVES CONTAINING FLAMMABLE LIQUID, 3, II, (LTD QTY, IP VOL LESS THAN OR EQUAL TO 1.0 L)

**AIR (ICAO/IATA)**

**SHIPPING NAME:** ID8000, CONSUMER COMMODITY, 9 (IP VOL LESS THAN OR EQUAL TO 0.5 L); or UN1133, ADHESIVES CONTAINING FLAMMABLE LIQUID, 3, II, (LTD QTY, IP VOL LESS THAN OR EQUAL TO 0.5 L)\*

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** UN1133, ADHESIVES CONTAINING FLAMMABLE LIQUID, 3, II, (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L)\*

**COMMENTS:** \* This product may be shipped as EXCEPTED QUANTITIES OF CLASS 3, UN1133 (IP VOL LESS THAN OR EQUAL TO 0.03 L, OP VOL LESS THAN OR EQUAL TO 0.5 L)

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

**313 REPORTABLE INGREDIENTS:** Methyl ethyl ketone (78-93-3), Vinyl chloride (75-01-4), Vinyl acetate (108-05-4)

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Methyl ethyl ketone	25 - 50	78-93-3
Vinyl chloride	2.5 - 10	75-01-4
Vinyl acetate	≤ 0.1 - 2.5	108-05-4

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

Chemical Name	Wt.%	CERCLA RQ
Methyl ethyl ketone	25 - 50	5,000
Vinyl chloride	2.5 - 10	1
Acetone	< 2.5 - 10	5,000
Vinyl acetate	≤ 0.1 - 2.5	5,000

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

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Chemical Name	CAS
Methyl ethyl ketone	78-93-3
Vinyl chloride	75-01-4
Acetone	67-64-1
Vinyl acetate	108-05-4
3,4-Epoxyhexylmethyl 3,4-epoxycyclohexanecarboxylate	2386-87-0
Maleic acid	110-16-7

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

## CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Vinyl chloride	2.5 - 10	75-01-4
Vinyl acetate	≤ 0.1 - 2.5	108-05-4

**CALIFORNIA PROPOSITION 65:** **⚠ WARNING:** This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name	Wt.%	Listed
Vinyl chloride	2.5 - 10	Cancer

## 16. OTHER INFORMATION

**APPROVED BY:** Pacer Technology Regulatory Department

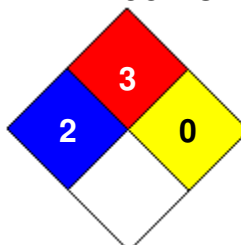
**PREPARED BY:** Pacer Technology Regulatory Department **Date-Revised:** 02/19/2018

**REVISION SUMMARY:** This MSDS replaces the 02/13/2018 MSDS.

## HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	3
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	B

## NFPA CODES



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

## 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.