SAFETY DATA SHEET

Date Issued : 12/16/2014
MSDS No : 11710130 15263
Date-Revised : 12/11/2018
Revision No : 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: MODEL CEMENT 1OZ TUBE (48)

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
Target Organ Toxicity (Single exposure) - Narcotic Effects, 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.


Exclamation mark


Flame

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.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical equipment.
P242: Use non-sparking tools.
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.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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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.
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+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-Butanone	50 - 99.9	78-93-3

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, do not induce vomiting. Do not give anything to drink. Obtain immediate medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Contact causes skin irritation.

SKIN ABSORPTION: Remove contaminated clothing and wash affected areas with soap and water. Prolonged or repeated contact can cause dermatitis in sensitive individuals. Contact a physician if irritation persists.

INGESTION: May be harmful if swallowed.

INHALATION: May cause temporary dizziness, headache and possible nausea if used in poorly ventilated area.

ACUTE EFFECTS: Eye, skin and respiratory irritant.

CHRONIC EFFECTS: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide or Halon extinguisher.

HAZARDOUS COMBUSTION PRODUCTS: Combustible by-products of carbon monoxide and dioxide.

EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flash back.

FIRE FIGHTING PROCEDURES: Use water spray to keep fire-exposed containers cool and to knock down vapors which may

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

SENSITIVE TO STATIC DISCHARGE: None known.

SENSITIVITY TO IMPACT: None known.

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. Vapors can travel to an ignition source.

LARGE SPILL: Remove all sources of ignition. Use spark-proof tools. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Absorb liquid and place in sealed container for disposal. Vapors can travel to an ignition source.

ENVIRONMENTAL PRECAUTIONS

WATER 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 ignitible 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.

LAND 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.

AIR SPILL: None known.

GENERAL PROCEDURES: Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed containers for disposal.

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: Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

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, well-ventilated area of low fire risk. Spray mist and vapors are flammable.

STORAGE TEMPERATURE: No data available on this product.

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.

SPECIAL SENSITIVITY: None known.

ELECTROSTATIC ACCUMULATION HAZARD: None known.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	**Type**		**ppm**	**mg/m³**
2-Butanone	**OSHA PEL**	**TWA**	200	590
	ACGIH TLV	**TWA**	200	590
		STEL	300	885

ENGINEERING CONTROLS: Observe limits for Methyl Ethyl Ketone - OSHA PEL = 200ppm; ACGIH TLV = 200ppm.

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: Safety glasses, neoprene gloves and protective apron are recommended for use.

RESPIRATORY: Use only in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Recommended: Full-face NIOSH-approved respirator with organic vapor cartridge.

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Flammable liquid and vapor.

ODOR: Characteristic odor, intensely irritating.

ODOR THRESHOLD: Not Established

APPEARANCE: Transparent, colorless liquid

COLOR: Clear, transparent.

pH: Not established.

PERCENT VOLATILE: No data available on this product.

FLASHPOINT AND METHOD: -4°C (25°F) CC - Closed Cup

FLAMMABLE LIMITS: 1.7% to 10%

AUTOIGNITION TEMPERATURE: Not Established

VAPOR PRESSURE: 78 mm Hg at 20°C (68°F)

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: 79°C (174°F) to 87°C (189°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: 18.9 % at 23°C (73°F)

PARTITION COEFFICIENT: N-OCTANOL/WATER: No data available on this product.

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EVAPORATION RATE: < 1 (n-Butyl Acetate=1)

SPECIFIC GRAVITY: 0.877 (water=1)

VISCOSITY #1: 700 to 900 Centipoise

(VOC): 614 g/L

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable

CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatables.

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

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

Chemical Name	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)
2-Butanone	2483 mg/kg (rat)	5000 mg/kg (rabbit)

SKIN CORROSION/IRRITATION: No data available

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

RESPIRATORY OR SKIN SENSITISATION: No data available

GERM CELL MUTAGENICITY: No data available

REPRODUCTIVE TOXICITY: No data available

12. ECOLOGICAL INFORMATION

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

ECOTOXICOLOGICAL INFORMATION: No data available on this product.

BIOACCUMULATION/ACCUMULATION: No data available on this product.

AQUATIC TOXICITY (ACUTE): No data available on this product.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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,

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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)

313 REPORTABLE INGREDIENTS: Section 313: Methyl ethyl ketone.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
2-Butanone	50 - 99.9	78-93-3

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
2-Butanone	50 - 99.9	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
2-Butanone	78-93-3

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. For more information go to www.P65Warnings.ca.gov.**

16. OTHER INFORMATION

TITLE: Pacer Technology Regulatory Department

PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 12/11/2018

REVISION SUMMARY: This MSDS replaces the 03/18/2015 MSDS. Revised: **Section 1:** 24 HR. EMERGENCY TELEPHONE NUMBERS, MSDS No, PREPARED BY, TITLE. **Section 2:** . **Section 3:** Wt.%. **Section 5:** FLAMMABLE CLASS. **Section 9:** FLASHPOINT AND METHOD. **Section 10:** COMMENTS, STABLE. **Section 11:** ACUTE (ORAL LD_{50} (rat), INHALATION LC_{50} (rat) ACUTE, CARCINOGENICITY, GERM CELL MUTAGENICITY, REPRODUCTIVE TOXICITY, , STOT-SINGLE EXPOSURE, SKIN CORROSION/IRRITATION. **Section 14:** AIR (ICAO/IATA) - SHIPPING NAME COMMENTS, DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME VESSEL (IMO/IMDG) - SHIPPING NAME. **Section 15:** WHMIS

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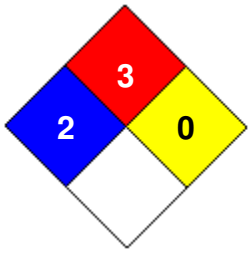
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(WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM), WHMIS CLASS. **Section 16:** HMIS RATING - HEALTH NFPA CODES - HEALTH.

HMIS RATING

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA CODES



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