

SAFETY DATA SHEET



Date Prepared : 09/30/2014
 MSDS No : 11710232_19061-12
 Date-Revised : 09/14/2017
 Revision No : 6

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: PORCELAIN REPAIR TUBE 1/2OZ (12)

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:

Carcinogenicity, Category 1A
 Reproductive Toxicity, Category 1
 Skin Sensitization, Category 1
 Specific Target Organ Toxicity Single Exposure, Category 3

Physical:

Flammable Liquids, Category 3

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
hazard



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
 H317: May cause an allergic skin reaction.
 H332: Harmful if inhaled.
 H336: May cause drowsiness or dizziness.
 H350: May cause cancer.
 H360: May damage fertility or the unborn child.

PRECAUTIONARY STATEMENT(S)

Prevention:

P201: Obtain special instructions before use.

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P202: Do not handle until all safety precautions have been read and understood.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P240: Ground/bond container and receiving equipment.
 P241: Use explosion-proof electrical/ventilating/lighting equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.
 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.
 P362: Take off contaminated clothing.
 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.
 P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P370: In case of fire: Use for extinction: CO₂, powder or water spray.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P235+P410: Keep cool. Protect from sunlight.
 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
n-Butyl acetate	25 - 50	123-86-4
Titanium dioxide	25 - 50	13463-67-7
2-Methoxy-1-Methylethylacetate	0.1 - 2.5	108-65-6
2- Butoxyethanol	0.1 - 2.5	111-76-2
Ethanol	0.1 - 2.5	64-17-5
2-butanone oxime	0.1 - 1	96-29-7
Solvent Naphtha (Petroleum), Light Aromatic	0.1 - 2.5	64742-95-6

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.

ADDITIONAL INFORMATION: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

5. FIRE FIGHTING MEASURES

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

FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus. Water may be unsuitable as an extinguishing medium, but is helpful in keeping adjacent containers cool.

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

6. ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow to enter sewers/ surface or ground water.

LAND SPILL: Do not allow to enter sewers/ surface or ground water.

AIR SPILL: Do not allow to enter sewers/ surface or ground water.

GENERAL PROCEDURES: 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 a cool place in original container and protect from sunlight. Keep away from sources of ignition. Keep away from heat and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Titanium dioxide	ACGIH TLV	TLV		10
	OSHA PEL	PEL	[1]	15 [1]
OSHA TABLE COMMENTS:				
1. Total dust.				

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Tightly sealed goggles.

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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 intensive or 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: Avoid direct contact and breathing vapor. Use with adequate ventilation. Wash hands with soap and water after use.

OTHER USE PRECAUTIONS: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: White liquid.

ODOR: Characteristic

ODOR THRESHOLD: No data available

APPEARANCE: White colored liquid.

COLOR: White.

pH: No data available

PERCENT VOLATILE: No data available

FLASHPOINT AND METHOD: 27°C (81°F)

FLAMMABLE LIMITS: 1.2 Vol % to 7.5 Vol %

AUTOIGNITION TEMPERATURE: Product is not selfigniting.

VAPOR PRESSURE: 11 mmHg

BOILING POINT: 52°C (126°F)

FREEZING POINT: No data available

MELTING POINT: No data available

THERMAL DECOMPOSITION: No data available

SOLUBILITY IN WATER: Not miscible or difficult to mix.

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

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

DENSITY: 10.431 at 20°C (68°F) 1.25 at 20°C (68°F)

SPECIFIC GRAVITY: No data available

VISCOSITY: No data available

(VOC): 428.0 g/L

10. STABILITY AND REACTIVITY

REACTIVITY: No data available

CONDITIONS TO AVOID: Strong acids and alkalis, reactive metals and strong oxidizing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known.

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HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if used according to specifications.

INCOMPATIBLE MATERIALS: No data available

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Titanium dioxide	> 24000 mg/kg (rat)	> 10000 mg/kg (rabbit)	> 6.82 mg/L
2-Methoxy-1-Methylethylacetate	6190 mg/kg	> 2000 mg/kg (rat)	

SKIN CORROSION/IRRITATION: No irritant effect.

SERIOUS EYE DAMAGE/IRRITATION: No irritating effect.

RESPIRATORY OR SKIN SENSITISATION: Sensitization possible through skin contact.

CARCINOGENICITY

IARC: Titanium dioxide (13463-67-7) Group 2B, 2-butoxyethanol (111-76-2) Group 3, Ethanol (64-17-5) Group 1, Cobalt bis (2-ethylhexanoate) (136-52-7) Group 2B, Propanol (67-63-0) Group 3.

NTP: None of the ingredients are listed.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Water hazard class 1 (Self-assessment): slightly hazardous for water. 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

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of following all Local Authority requirements for disposal.

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: UN1263, PAINT, 3, III (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L)

AIR (ICAO/IATA)

SHIPPING NAME: ID8000, CONSUMER COMMODITY, 9 (IP VOL LESS THAN OR EQUAL TO 0.5 L); or UN1263, PAINT, 3, III (LTD QTY, OP VOL LESS THAN OR EQUAL TO 30 kg G)*

VESSEL (IMO/IMDG)

SHIPPING NAME: UN1263, PAINT, 3, III (LTD QTY, IP VOL LESS THAN OR EQUAL TO 5.0 L)*

COMMENTS: * This product may be shipped as EXCEPTED QUANTITIES OF CLASS 3, UN1263 (IP VOL LESS THAN OR EQUAL TO 0.03 L, OP VOL LESS THAN OR EQUAL TO 1.0 L)

The transport information provided in this section only applies to the material formulation/itself, and is not specific to any

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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:** No **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Section 313: 2-Butoxy ethanol (CAS 111-76-2), Cobalt bis(2-ethylhexanoate) (CAS 136-52-7), Propanol-2-ol (CAS 67-63-0).

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
n-Butyl acetate	25 - 50	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
n-Butyl acetate	123-86-4
Titanium dioxide	13463-67-7
2-Methoxy-1-Methylethylacetate	108-65-6
2- Butoxyethanol	111-76-2
Ethanol	64-17-5
2-butanone oxime	96-29-7
Solvent Naphtha (Petroleum), Light Aromatic	64742-95-6

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

CALIFORNIA PROPOSITION 65: WARNING: This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chemical Name	Wt.%	Listed
Titanium dioxide	25 - 50	Cancer

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 09/14/2017

REVISION SUMMARY: This MSDS replaces the 07/11/2017 MSDS.

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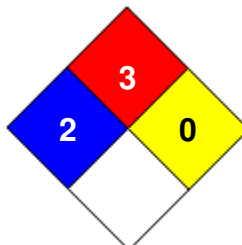


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HMIS RATING

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

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.