SAFETY DATA SHEET

Date issued : 03/26/2015
SDS number : 11760010_BGR
Date revised : 10/24/2022
Revision number : 3

1. Identification

Product code: 11760010_BGR
Product description: Z3 BONDINI REMOVER GEL (48) -G

Manufacturer / Supplier

Pacer Technology
3281 E. Guasti Road, Suite 260
Ontario, CA 91761
Emergency contact: Chemtrec
Emergency Phone: (800) 424-9300
Customer Service: (909) 987-0550

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Target Organ Toxicity (Single exposure) - Respiratory, Category 3

Physical hazards:

Flammable Liquids, Category 2

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


Exclamation mark

Signal word: DANGER

Hazard statement(s)

H225: Highly flammable liquid and vapour.
H318: Causes serious eye damage.
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.
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:

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

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do. Continue rinsing.
P362: Take off contaminated clothing.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P370+378: In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.

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	% w/w	CAS No.
Acetone	> 85 - 95	67-64-1
1,2-Propanediol	5 - 15	57-55-6
Ethanol	3 - 6	64-17-5
Hydroxypropylcellulose	2 - 4	9004-64-2

4. First-aid measures

Eye: 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: If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Most important symptoms and effects, both acute and delayed

Eye: 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.

Ingestion: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Call a physician immediately.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

Acute effects: Irritating to eyes, respiratory system and skin.

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

General hazard: Flammable liquid and vapor.

Suitable 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.

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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.

Sensitivity to static discharge: Electrostatic charges may be generated during pumping. Ground all containers.

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: 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: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

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.

General procedures: Remove all sources of ignition. Use spark-proof tools.

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.

Precautions for safe 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.

Conditions for safe storage: Store in a cool place in original container and protect from sunlight.

Storage temperature: Avoid temperatures exceeding 100F/38C and incompatible materials.

Electrostatic accumulation hazard: Take measures to prevent the bulidup of electrostatic charge.

8. Exposure controls/personal protection

Individual protection measures, such as personal protective equipment

Eye / face protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin protection - hand protection: Nitrile rubber and PVC are not suitable protective materials; Neoprene is recommended.

Respiratory protection: 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.

Skin protection - other: Wear suitable protective clothing and gloves.

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Occupational hygiene practices: Wash with soap and water. Get medical attention if irritation develops or persists.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Clear, colorless thick liquid

Color: Clear.

Odor: Mild ketone odor.

Odor threshold: Not Established

pH: Not Established

Melting point: No data available

Freezing point: No data available

Initial boiling point and boiling range: 56°C (133°F)

Flash point: -20°C (-4°F) TAG CC

Evaporation rate (n-butyl acetate = 1): 5.0 (n-Butyl Acetate=1)

Flammability: No data available

Lower explosion limit / flammability limit: 2.6%

Upper explosion limit / flammability limit: 12.8%

Vapor pressure: 184 mmHg at 20C (68 F)

Relative vapor density: 2 (Air = 1)

Density: No data available

Relative density: 0.8 (water=1)

Solubility: 85 wt % at 68F (20C)

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Molecular weight: No data available

Pour point: No data available

Percent volatiles: No data available

VOC content: Not Established

10. Stability and reactivity

Dangerous polymerization: No

Chemical 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

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Skin corrosion / irritation: Irritating to skin. May cause allergic skin reaction with prolonged contact.

Serious eye damage / irritation: Moderately irritating to eyes and skin.

Specific Target Organ Toxicity - single exposure: 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.

12. Ecological information

Other adverse effects: No data available. Contact Env. Dept.

13. Disposal considerations

Disposal methods: Dispose of in accordance with all local, state, and federal regulations.

Product disposal: Do not empty into drains. Dispose of this material and its container at a hazardous or special waste collection point.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: UN1090, ACETONE, 3, II (LTD QTY, IP VOL LESS THAN OR EQUAL TO 1.0 L)

ICAO / IATA - air

UN proper shipping name: ID8000, CONSUMER COMMODITY, 9 (IP VOL LESS THAN OR EQUAL TO 0.5 L); or UN1090, ACETONE, 3, II (LTD QTY LESS THAN OR EQUAL TO 0.5 L) *

IMO / IMDG - International

UN proper shipping name: UN1090, ACETONE, 3, II (LTD QTY, IP VOL LESS THAN OR EQUAL TO 1.0 L) *

Comments: * This product may be shipped as EXCEPTED QUANTITIES OF CLASS 3, UN1090 (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 Section 311/312 Hazard Categories

311/312 Health hazards: Immediate (acute) health hazard

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
1,2-Propanediol	57-55-6
Ethanol	64-17-5
Hydroxypropylcellulose	9004-64-2

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 Benzene, which is known to

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the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information

Approved by: Pacer Technology Regulatory Department

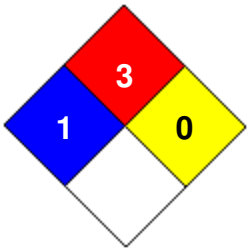
Prepared by: Pacer Technology Regulatory Department **Date revised:** 10/24/2022

Revision summary: This SDS replaces the 04/22/2019 SDS. Revised: **Section 1:** SDS number, Product code. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

Health	1
Flammability	3
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.