SAFETY DATA SHEET

Date Prepared : 12/03/2007
MSDS No : 11730062_PT28
Date-Revised : 09/14/2017
Revision No : 10

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: ZAP FOAM SAFE KICKER 2OZ (72)

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 2
Specific 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

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:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271: Use only outdoors or in a well-ventilated area.

Response:

SAFETY DATA SHEET

Date Prepared : 12/03/2007
MSDS No : 11730062_PT28
Date-Revised : 09/14/2017
Revision No : 10

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.
P337: If eye irritation persists: seek medical attention.
P370+P378: In case of fire: Use water fog or spray, alcohol foam, carbon dioxide, or dry chemical to extinguish.

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
propan-2-ol	90 - 100	67-63-0
N,N-DIMETHYL-P-TOLUIDINE	< 2	99-97-8

4. FIRST AID MEASURES

EYES: Immediately flush eyes with large quantities of water for several minutes, while holding eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get medical attention if irritation or bonding occurs.

SKIN: Flush skin with soap and water. Get medical attention if irritation occurs and persists. Remove and launder clothing before re-use.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

INHALATION: Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention if symptoms persist.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: May cause moderate to severe eye irritation.

INHALATION: Inhalation of mists or vapors may cause headache, dizziness, nausea, and other symptoms of central nervous system depression.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Flammable liquid and vapor.

EXTINGUISHING MEDIA: Use water fog or spray, alcohol foam, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and other toxic or irritating compounds.

EXPLOSION HAZARDS: Highly flammable liquid and vapor. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Vapors may form explosive mixtures with air in confined areas.

FIRE FIGHTING EQUIPMENT: Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing. Use water to cool exposed containers and disperse flammable vapors.

SAFETY DATA SHEET

Date Prepared : 12/03/2007
MSDS No : 11730062_PT28
Date-Revised : 09/14/2017
Revision No : 10

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain and collect using inert absorbent materials (such as sawdust or vermiculite) and place in appropriate containers for disposal. Use non-sparking tools and equipment.

LARGE SPILL: Contain and collect using inert absorbent materials (such as sawdust or vermiculite) and place in appropriate containers for disposal. Use non-sparking tools and equipment.

GENERAL PROCEDURES: Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Avoid contact with eyes. Avoid prolonged contact with skin or clothing. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed. Avoid breathing mists or vapors. Ventilated area.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid breathing mists or vapors. Use with adequate ventilation. Avoid contact with the eyes, skin, and clothing. Wear appropriate protective clothing as described in section 8. Wash thoroughly after handling. Do not eat, drink, or smoke in the work area. Keep product away from heat, sparks, flames, and all other sources of ignition. No smoking in storage or use areas. Keep containers close when not in use. Use with non-sparking tools.

STORAGE: Store container in a cool, well-ventilated location away from strong oxidizers and other incompatible materials. Keep container tightly closed when not in use. Keep away from sources of ignition.

STORAGE TEMPERATURE: 30°C (86°F)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	**Type**		**ppm**	**mg/m³**
propan-2-ol	**OSHA PEL**	**TWA**	400 ppm	980 mg/m3
		STEL	No data available	No data available
	ACGIH TLV	**TWA**	200 ppm	490 mg/m3
		STEL	400 ppm	960 mg/m3
N,N-DIMETHYL-P-TOLUIDINE	**OSHA PEL**	**TWA**	0.50 ppm	No data available
		STEL	No data available	No data available
	ACGIH TLV	**TWA**	No data available	No data available
		STEL	No data available	No data available

ENGINEERING CONTROLS: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits. Use explosion proof electrical equipment and wiring where required.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical safety goggles are recommended where splashing is possible.

SKIN: Impervious gloves are suggested to prevent prolonged skin contact. Contact your glove supplier for selection assistance.

RESPIRATORY: If needed, an approved respirator with organic vapor cartridges may be used. For higher exposures, supplied

SAFETY DATA SHEET

air respirator may be required. Respirator selection and use should be based on contaminant type, form, and concentration. follow applicable regulations and good Industrial Hygiene practice.

PROTECTIVE CLOTHING: Impervious clothing is required to prevent skin contact and contamination of personal clothing. An eye wash facility and safety shower should be available in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild odor

ODOR THRESHOLD: No data available

APPEARANCE: Water-white to straw colored liquid

COLOR: Colorless

pH: No data available

PERCENT VOLATILE: No data available

FLASHPOINT AND METHOD: 12°C (53.6°F) TCC

FLAMMABLE LIMITS: 2% vol to 12% vol

AUTOIGNITION TEMPERATURE: No data available

VAPOR PRESSURE: No data available

VAPOR DENSITY: 2.1 (Air=1)

BOILING POINT: 82°C (179.6°F) to 92°C (197.6°F)

FREEZING POINT: No data available

MELTING POINT: No data available

POUR POINT: No data available

THERMAL DECOMPOSITION: No data available

SOLUBILITY IN WATER: Soluble

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

EVAPORATION RATE: 1.7

Notes: Butyl Acetate = 1

DENSITY: No data available

SPECIFIC GRAVITY: 0.79

VISCOSITY: < 10 Centipoise

MOLECULAR WEIGHT: No data available

10. STABILITY AND REACTIVITY

REACTIVITY: Not reactive

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

STABILITY: Stable under normal storage and handling conditions.

CONDITIONS TO AVOID: Keep away from heat, sparks, flames, and other sources of ignition. Avoid temperatures over 30C(86F) or freezing temperatures.

SAFETY DATA SHEET

Date Prepared : 12/03/2007
MSDS No : 11730062_PT28
Date-Revised : 09/14/2017
Revision No : 10

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous reactions are possible when exposed to incompatible materials such as nitrates, chlorine, ammonia, strong oxidizers, alkalis, and acids

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce oxides of carbon and other toxic or irritating compounds.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, aluminum, acetaldehyde, chlorine, ethylene oxide, hydrogen palladium, hydrogen peroxide-sulfuric acid, isocyanates, nitro form, phosgene, alkalis, amines, halogens, and anhydrides.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)	INHALATION LC_{50} (rat)
propan-2-ol	5045 mg/kg (rat)	12800 mg/kg (rabbit)	> 10000 ppm (rat male and female, 6 hour, vapour)
N,N-DIMETHYL-P-TOLUIDINE	1650 mg/kg (rat)	> 2000 mg/kg (rat)	498 mL/m3

NOTES: Product ATE: 5000 mg/kg (oral), 70 mg/L (inhalation), 46750 mg/kg (dermal)
Isopropanol: Oral rat LD50- 5045 mg/kg; Skin rabbit LD50- 12800 mg/kg; inhalation rat LC50 72.6 mg/L/4hr
N, N-Dimethyl-p-Toluidine: Oral mouse LD50- 139 mg/kg, Oral rat Ld50- 980-1650 mg/kg, Inhalation rat LC50: 1.4-1.92 mg/L/4hr, Skin rabbit LD50: <935 mg/kg

SKIN CORROSION/IRRITATION: Isopropanol: Non-irritating to rabbit skin. N,N-Dimethyl-p-Toluidine: not irritating in rabbit skin.

SERIOUS EYE DAMAGE/IRRITATION: Isopropanol: Irritating to rabbit eyes. N,N-Dimethyl-p-Toluidine: Not irritating to rabbi eyes.

RESPIRATORY OR SKIN SENSITISATION: No data available

GERM CELL MUTAGENICITY: Isopropanol: Negative in a mammalian gene mutation assay and in vivo mammalian bone marrow cytogenetic test.

CARCINOGENICITY

IARC: Not listed

NTP: Not listed.

OSHA: Not listed

NOTES: None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH, and the EU CLP.

REPRODUCTIVE TOXICITY: Isopropanol: in a one generation study with rats, NOEL was 2.5%. At 2.0% and 2.5% there was evidence of embryo toxicity. At 1.25%, 2.0%, and 2.5%, all rats showed signs of liver and kidney effects. At 2.5% the rats showed signs of anemia.

STOT-SINGLE EXPOSURE: No data available

STOT-REPEATED EXPOSURE: Isopropanol: 13 week inhalation study with rats found that effects of narcosis at 5000 ppm. These effects are reversible at the cessation of exposure. A 73 week chronic study in rats found male reproductive effects at 2500 and 5000 ppm and liver effects at 2500 ppm.
N,N-Dimethyl-p-Toluidine: In a repeated dose toxicity study, rats were exposed to N,N-Dimethyl-p-Toluidine by oral gavage in the concentrations of 0,6,20, and 60 mg/kg. The results showed toxic effects such as significant histopathological changes in the liver, nose, thyroid gland, spleen, bone marrow and mesenteric lymph node, kidney, forestomach, tongue, mammary gland, urinary bladder and uterus effects. The LOAEL is considered to be 6 mg/kg.

ASPIRATION HAZARD: Components are not aspiration hazards.

SAFETY DATA SHEET

Date Prepared : 12/03/2007
MSDS No : 11730062_PT28
Date-Revised : 09/14/2017
Revision No : 10

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available

ECOTOXICOLOGICAL INFORMATION: No data available

BIOACCUMULATION/ACCUMULATION: No data available

AQUATIC TOXICITY (ACUTE): Isopropanol: 96hr LC50 Fathead minnow (flow through) - 9640 mg/L; 48 hr EC50 Daphnia magna - 13299 mg/L
N,N-Dimethyl-p-Toluidine: 96 hr LC50 Fathead minnow - 46 mg/L, 48 hr EC50 Daphnia magna - 13.7 mg/L

GENERAL COMMENTS: Persistence and Degradability: Isopropanol: Readily biodegradable - 95% after 21 days. N,N-Dimethyl-p-Toluidine: expected to be readily biodegradable in water while it is likely to be persistent in sediment - 50% degradation in 38 days in water, 50% degradation in 540 days in sediment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL LESS THAN OR EQUAL TO 1.0 L)

AIR (ICAO/IATA)

SHIPPING NAME: ID8000 CONSMER COMMODITY, 9 (IP VOL LESS THAN OR EQUAL TO 0.5 L); or UN1219, ISOPROPANOL SOLUTION, 3, II, (LTD QTY, IP VOL LESS THAN OR EQUAL TO 0.5 L) *

VESSEL (IMO/IMDG)

SHIPPING NAME: UN1219, ISOPROPANOL SOLUTION, 3, II, (LTD QTY, IP VOL LESSTHAN OR EQUAL TO 1.0 L) *

COMMENTS: * This product may be shipped as EXCEPTED QUANTITIES OF CLASS 3, UN1219 (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:** No **CHRONIC:** No

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
propan-2-ol	90 - 100	67-63-0

TSCA (TOXIC SUBSTANCE CONTROL ACT)

SAFETY DATA SHEET

Date Prepared : 12/03/2007
MSDS No : 11730062_PT28
Date-Revised : 09/14/2017
Revision No : 10

Chemical Name	CAS
propan-2-ol	67-63-0
N,N-DIMETHYL-P-TOLUIDINE	99-97-8

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 *N,N*-Dimethyl-*p*-toluidine, which is known to the State of California to cause cancer. For more information go to www.P65warnings.ca.gov.

Chemical Name	Wt.%	Listed
N,N-DIMETHYL-P-TOLUIDINE	< 2	Cancer

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

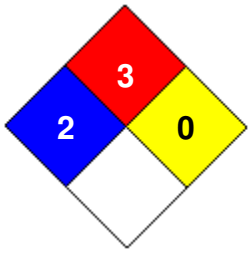
PREPARED BY: Pacer Technology Regulatory Department. **Date-Revised:** 09/14/2017

REVISION SUMMARY: This MSDS replaces the 06/15/2017 MSDS. Revised: **Section 15:** CALIFORNIA PROPOSITION 65.

HMIS RATING

HEALTH	2
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.