SAFETY DATA SHEET

This Safety Data Sheet has been prepared to conform to EU Regulation No. 1907/2006 and 2015/830.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name: ZIP KICKER REFILL 8OZ (12)
Part Number: 11730064_PT29
SDS Date of Preparation: February 14, 2017

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Accelerates Super Glue cure time.
Uses Advised Against: None known.

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer: Pacer Technology
3281 E. Guasti Rd., Suite 260
Ontario, CA 91761
Information Phone Number: (909) 987-0550
E-mail: info@pacertechnology.com

1.4 Emergency Telephone Number:

Emergency Spill Information: CHEMTREC Domestic North America: (800) 424-9300
CHEMTREC International: (703) 527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

GHS/CLP Regulation (EC) No 1272/2008:

Physical	Health	Environment
	Acute Toxicity Category 4 (H302, H332) Reproductive Toxicity Category 2 (H361) Skin Irritant Category 2 (H315) Specific Target Organ Toxicity Repeated Exposure Category 2 (H373) Specific Target Organ Toxicity Single Exposure Category 3 (H336) Aspiration Toxicity Category 1 (H304)	Aquatic Chronic Toxicity Category 2 (H411)

2.2 Label Elements:

Danger!



Contains: Solvent naphtha (petroleum), light aliphatic, N, N-Dimethyl-p-Toluidine

Hazard Phrases

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.

H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to central nervous system and reproductive organ through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains Coumarin. May produce an allergic reaction.

Precautionary Phrases

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, sparks, open flames, and hot surfaces.-No smoking.
P271	Use only outdoors or in a well-ventilated area.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501	Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture:

Chemical Name	CAS#	EINECS#	CLP Annex VI Classification	%
Solvent naphtha (petroleum), light aliphatic (contains: n-Octane and Heptane)	64742-89-8 111-65-9 142-82-5	265-192-2 203-892-1 205-563-8	Flam. Liq. Cat 2 (H225), Asp. Tox. Cat 1 (H304), Skin Irrit. Cat 2 (H315), STOT SE Cat 3 (H336), STOT RE Cat 2 (H373), Repr. Cat 2 (H361), Aquatic Chronic Cat 2 (H411)	75-100
N, N-Dimethyl-p-Toluidine	99-97-8	202-805-4	Acute Tox. Cat 3 (H301, H311, H331), STOT RE Cat 2 (H373), Aquatic Chronic Cat 3 (H412)	6-12
N-Methyl-p-Toluidine	623-08-5	210-769-6	Acute Tox. Cat 3 (H301, H311, H331), STOT RE Cat 2 (H373), Aquatic Chronic Cat 3 (H412)	<0.5
Coumarin	91-64-5	202-086-7	Acute Tox. Cat 3 (H301, H311, H331), Skin Sens. Cat 1 (H317), Aquatic Chronic Cat 2 (H411)	<0.5

See Section 16 for further information on GHS Classification.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.
Skin: Remove contaminated clothing. Wash contact area thoroughly with soap and water for several minutes. Get medical attention if irritation occurs. Launder clothing before re-use.
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.
Ingestion: If concentrate is swallowed, get immediate medical attention. Immediately call poison control center or go to a hospital emergency room. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person.

4.2 Most Important symptoms and effects, both acute and delayed: Direct contact with concentrate may cause moderate skin irritation. Inhalation of mists may cause headache, dizziness, nausea and other symptoms of central nervous system depression. Harmful if inhaled. Prolonged or repeated exposure may damage central nervous system or reproductive organs. Harmful if swallowed. Swallowing the liquid may enter the lungs and cause lung damage.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required if the contents are swallowed or in contact with skin.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

5.2 Advice for Fire-Fighters:

Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Do not enter fire area without proper protection. Use shielding to protect from bursting cans. Contain water used in firefighting from entering sewers or natural waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:
Evacuate spill area and keep unprotected personnel away. Eliminate all sources of ignition and ventilate area. Prevent contact with eyes, skin or clothing. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed. Do not breathe mists.

6.2 Environmental Precautions:
Avoid releases to the environment. Report spills and releases as required to appropriate authorities.

6.3 Methods and Material for Containment and Cleaning Up:
Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly.

6.4 Reference to Other Sections:
Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapors. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well-ventilated location away from incompatible materials. Store away from heat, direct sunlight and all sources of ignition. Do not store above 50°C (122°F).

7.3 Specific end use(s): Consumer use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	Exposure Limits
Solvent naphtha (petroleum), light aliphatic	5 mg/m3 TWA, 10 mg/m3 STEL UK WEL 5 mg/m3 TWA Belgium OEL
n-Octane	500 ppm TWA, 1000 ppm STEL DFG MAK 210 ppm TWA UK WEL 300 ppm TWA, 375 ppm STEL Belgium OEL
Heptane	500 ppm TWA, 500 ppm STEL DFG MAK 500 ppm TWA UK WEL 500 ppm TWA EU OEL
N, N-Dimethyl-p-Toluidine	None Established
N-Methyl-p-Toluidine	None Established
Coumarin	None Established

8.2 Exposure Controls:

Ventilation: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational

exposure limits.

Personal Protective Equipment:

Respiratory Protection: In operations where the occupational exposure limits are exceeded, an approved respirator with applicable cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.
Skin Protection: Impervious gloves are required for all operations where skin contact can occur. Contact your glove supplier for selection assistance. In Europe follow EN 374.
Eye Protection: Chemical safety goggles are recommended to avoid eye contact. In Europe follow EN 166.
Other Protective Equipment: Impervious clothing is required to prevent skin contact and contamination of personal clothing. In Europe follow EN 13034. An eye wash facility and safety shower should be available in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Clear to pale yellow liquid	**Vapor Density:** 3.8
Odor: Characteristic odor	**Solubility(ies):** Negligible in water
Odor Threshold: No data available	**Partition Coefficient (Octanol/Water):** No data available
pH: No data available	**Auto-ignition Temperature:** No data available
Melting Point/Freezing Point: No data available	**Decomposition Temperature:** No data available
Initial Boiling Point/Range: 113-140°C (235-284°F)	**Viscosity:** No data available
Flash Point: 14°C (57°F)	**Explosive Properties:** Not explosive
Evaporation Rate: 1.2 (n-Butyl Acetate=1)	**Oxidizing Properties:** Not an oxidizer
Flammable Limits: LEL: 0.9 vol% **UEL:** 7.0 vol%	**Relative Density:** No data available
Vapor Pressure: 30 mmHg @ 38°C (100°F)	**Flammability (solid, gas):** Not applicable

9.2 Other Information: None available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive

10.2 Chemical Stability: Stable under normal storage and handling conditions.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Avoid heat, temperatures above 50°C (122°F), ignition sources, and exposure to incompatible materials.

10.5 Incompatible Materials: Strong oxidizing agents, acids, acid chlorides, acid anhydrides

10.6 Hazardous Decomposition Products: Combustion will produce oxides of carbon and nitrogen, and unburned carbons.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eye: Contact with liquid may cause eye irritation with redness and stinging.
Skin: Direct contact with liquid may cause moderate skin irritation with dryness or cracking.
Inhalation: Harmful if inhaled. Inhalation of mists may cause nasal and respiratory irritation with headache, dizziness, nausea and other symptoms of central nervous system depression.
Ingestion: Harmful if swallowed. Swallowing the liquid concentrate may cause gastrointestinal irritation with nausea,

vomiting and diarrhea. The concentrate also poses an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.
Chronic Hazards: Prolonged or repeated exposure may damage the central nervous system and reproductive organ.

Acute Toxicity Values:
Product ATE: 619 mg/kg (oral), 2041 mg/kg (skin)
Solvent naphtha (petroleum), light aliphatic: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: >20 mg/L, Skin rabbit LD50: >2000 mg/kg
N, N-Dimethyl-p-Toluidine: Oral rat LD50- 980-1650 mg/kg, Inhalation rat LC50: 1.4-1.92 mg/L/4hr (as mist), Skin rabbit LD50: >2000 mg/kg
N-Methyl-p-Toluidine: No toxicity data available. Point Estimates were used for product ATE.
Coumarin: Oral rat LD50: 293 mg/kg

Skin corrosion/irritation: N, N-Dimethyl-p-Toluidine: Not irritating in rabbit skin. Solvent naphtha (petroleum), light aliphatic: Expected to cause skin irritation. This product is expected to cause moderate skin irritation.

Eye damage/irritation: N, N-Dimethyl-p-Toluidine: Not irritating to rabbit eyes. This product is not expected to cause eye irritation based on the components.

Respiratory Irritation: No data available for the product. This product is not expected to cause respiratory irritation.

Respiratory Sensitization: No data available.

Skin Sensitization: Coumarin: Sensitizing in human LLNA and patch testing.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: None of the components of this product are listed as carcinogens by the EU CLP.

Reproductive Toxicity: Solvent naphtha (petroleum), light aliphatic: Suspected of causing reproductive harm. Caused fetotoxicity in animals at doses which are maternally toxic. Affects reproductive system in animals at doses which produce other toxic effects.

Specific Target Organ Toxicity:
Single Exposure: No data available

Repeat Exposure: Solvent naphtha (petroleum), light aliphatic: Inhalation of high vapor concentrations may cause peripheral nerve damage which would impair motor function causing incoordination, unsteady walk, or muscle weakness in the extremities, and/or loss of sensation in the arms and legs. 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 narrow 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: Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:
Solvent naphtha (petroleum), light aliphatic: Daphnia and other aquatic invertebrates LL/EL/IL50: 1-≤10 mg/L, Algae LC/EC/IC50: 10-≤100 mg/L
N, N-Dimethyl-p-Toluidine: 96 hr LC50 Fathead minnow: 46 mg/L, 48 hr EC50 Daphnia magna: 13.7 mg/L
Coumarin: 96 hr LC50 Fish: 1.324 mg/L (QSAR), 48 hr EC50 Daphnia: 8.012 mg/L

This product is classified as toxic to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

12.2 Persistence and Degradability: Solvent naphtha (petroleum), light aliphatic: Expected to be readily biodegradable. 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. Coumarin: Readily biodegradable – 100% in 28 days.

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: No data available

12.6 Other Adverse Effects: Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:
Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
EU ADR/RID	UN1268	Petroleum Distillates, N.O.S. (contains Aliphatic Petroleum)	3	II	No
IMDG	UN1268	Petroleum Distillates, N.O.S. (contains Aliphatic Petroleum)	3	II	Marine Pollutant
IATA/ICAO	UN1268	Petroleum Distillates, N.O.S. (contains Aliphatic Petroleum)	3	II	No

Note (1): This product may be shipped as Limited Quantity or ID8000 Consumer Commodity if they meet the requirements.
Note (2): Inner packages with less than 5 liters of liquid/ 5 kg of solid are exempt from Marine Pollutant per IMDG Code 2.10.2.7 and ICAO Special Provision A197.

14.6 Special Precautions for User: Not applicable.

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

EUROPEAN REGULATIONS

REACH: These products comply with REACH regulation as applicable. For more information, contact Pacer Technology.

SVHC: This product contains the following Substances of Very High Concern (SVHCs): None.

15.2 Chemical Safety Assessment: No data available

SECTION 16: OTHER INFORMATION

Date of Current Revision: May 1, 2017
Revision Summary: Rev. 1 (Section 3)
Date of Previous Revision: February 14, 2017

GHS Classification for Reference (See Sections 3):
Acute Tox. Cat 3 Acute Toxicity Category 3
Aquatic Chronic Cat 2 Aquatic Chronic Toxicity Category 2
Aquatic Chronic Cat 3 Aquatic Chronic Toxicity Category 3

Asp. Tox. Cat 1 Aspiration Toxicity Category 1
Flam. Liq. Cat 2 Flammable Liquid Category 2
Repr. Cat 2 Reproductive Toxicity Category 2
Skin Irrit. Cat 2 Skin Irritant Category 2
Skin Sens. Cat 1 Skin Sensitizer Category 1
STOT RE Cat 2 Specific Target Organ Toxicity Repeated Exposure Category 2
STOT SE Cat 3 Specific Target Organ Toxicity Single Exposure Category 3
H225 Highly flammable liquid and vapor.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
==========

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Pacer Technology shall not be held liable for any damage resulting from handling or from contact with the above product.