

MATERIAL SAFETY DATA SHEET

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Revision #6 Page 1 of 2

Section 1**HAZARD RATING**

PACER TECHNOLOGY

9420 Santa Anita Avenue

Rancho Cucamonga, CA 91730

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2 x 0

For Chemical Emergency:

In the US & Canada (800) 424-9300

Int'l & Wash DC (COLLECT) (703) 527-3887

Telephone for Information: (909) 987-0550

PRODUCT IDENTIFICATION: ZIP KICKER (Aerosol)**Section 2 - HAZARDOUS INGREDIENTS INFORMATION:**

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Aliphatic Petroleum (64742-89-8)	300ppm	300ppm	TLV/STEL=400ppm	80-100%
Alkyl Toluidines (99-97-8)	NE	NE	NE	6-12%
Xylene (1330-20-7) *	100ppm	100ppm	TLV/STEL=150ppm	2-6%
Ethylbenzene (100-41-4) *	100ppm	100ppm	TLV/STEL=125ppm	1-3%
Hydrocarbon propellant (68476-86-8)	800ppm	800ppm	NE	

- This ingredient is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986 (SARA) and 40 CFR 372.

Note: Product contains a bittering agent to discourage ingestion via drinking.

Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point:	235-284F	Specific Gravity (H ₂ O=1):	0.77
Vapor Density (Air=1):	3.8/liquid	Melting Point:	NE
Vapor Pressure (mm Hg):	30 @ 100F/liquid	Solubility in Water:	>0.500%
Appearance & Odor:	Clear, solvent odor.		

Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (TCC): -156 F

Explosive Limit (Product): N/D

Extinguishing Media: Dry chemical, carbon dioxide, halogenated extinguishing agent. Stop gas flow. Do not use direct stream of water as product may reignite on surface of water.

Special Fire Fighting Procedures: Gas fires should not be extinguished unless the gas flow can be stopped immediately. Allow the fire to burn itself out. If source cannot be shut off immediately, cool equipment & surfaces with water to prevent over-heating, flash-backs, or explosions. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves & rubber boots), inc. a positive pressure NIOSH-approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture. Vapor may settle in low areas or travel some distance along ground or surface to ignition sources where they may ignite or explode.

Section 5 - REACTIVITY DATA:

Stability: Unstable ___ Stable XX

Conditions to Avoid: heat, sparks & open flames.

Incompatibility (Materials to Avoid): Avoid strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide & unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: May Occur ___ May Not Occur XX

Section 6 - HEALTH HAZARD DATA: Route(s) of Entry:

Inhalation:(rat)4hrLC50=3400ppm Skin: (rat)DermalLD50=>4ml/kg Ingestion: (rat)OralLD50=>8ml/kg

Health Hazards: Aspiration hazard and defats skin. Mildly irritating to eyes & skin, nose, throat & respiratory tract, early to moderate CNS depression may cause giddiness, headache, dizziness & nausea. In extreme cases, unconsciousness, aspiration pneumonitis may be evidenced by coughing, labored breathing & cyanosis (bluish skin), in extreme-severe cases death may occur.

Carcinogenicity: NTP: No IARC Monographs: Yes OSHA Regulated: No

Ethylbenzene = 2B

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Signs and Symptoms of Exposure & First Aid Procedures:

Eye contact - irritation upon direct contact. Immediately flush eyes with water for 15 min. Get medical attention.

Skin contact - irritation upon direct contact. Remove contaminated clothing and wash before reuse. Wash affected areas with water, followed by soap & water. If irritation occurs, get medical attention. Prolonged or repeated contact can cause dermatitis in sensitive individuals.

Inhalation - vapors may be irritating to nose, throat & respiratory tract. Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get prompt medical attention.

Ingestion - do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention. Product contains a bittering agent to discourage ingestion via drinking.

NOTE TO PHYSICIAN: If more than 2.0ml/kg has been ingested & vomiting has not occurred, emesis should be induced with supervision. Keep victim's head below hips to prevent aspiration; if symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

Medical Conditions Generally Aggravated by Exposure: Preexisting skin disorders.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Warning - flammable! Ventilate area and remove all sources of ignition. Remove all unprotected personnel from hazard area. Avoid skin contact & breathing of vapors by using appropriate respirator & protective safety equipment. Confine & remove with inert absorbent. Dispose of absorbed material & water run-off in accordance with applicable federal, state, and local regulations.

Waste Disposal Method: Dispose of water flush solutions & absorbed material in non-leaking containers as hazardous waste according to all applicable regulations.

Precautions to Be Taken in Handling and Storing: Read & follow directions on product label. Follow standard safety practices for handling aerosols. Keep liquid & vapor away from heat, sparks & flame. **CONTENTS UNDER PRESSURE.** Avoid prolonged exposure to sunlight, heat from radiators, stoves, hot water or other heat sources that may cause bursting. Do not puncture, incinerate, burn, or store above 120F. Keep containers closed when not in use & use with adequate ventilation. Use wires to ground all transfer containers & equipment.

Other Precautions: Static electricity may create a fire hazard: bond & ground all equipment. Dispose of used containers as hazardous waste.

Section 8 - CONTROL MEASURES:

Respiratory Protection (Specify Type): Use a NIOSH-approved respirator in absence of proper ventilated environment. If needed, use air-purifying respirator for organic vapors when exposure may exceed occupational exposure limits.

Ventilation: Local Exhaust: Good Mechanical (General): As needed

Protective Clothing or Equipment: Safety glasses/goggles, chemical-resistant (ie. nitrile or polyvinyl alcohol material) gloves and other safety equipment to minimize contact.

Work/Hygienic Practices: Avoid direct contact with liquid. Wear protective safety equipment as necessary. Wash hands with soap & water and air-dry then launder any contaminated clothing before reuse.

D.O.T. PROPER SHIPPING NAME:

ORM-D Consumer Commodity

N/D = Not determined

NE = Not established

The data contained herein is based upon information that Pacer Technology believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.