

**MATERIAL SAFETY DATA SHEET**DATE: 04/01/12  
Rev. 4 Page 1 of 2**Section 1**PACER TECHNOLOGY  
9420 Santa Anita Avenue  
Rancho Cucamonga, CA 91730For Chemical Emergency Only:  
In the US and Canada: (800) 424-9300  
Int'l & Wash DC (COLLECT): (703) 527-3887  
Telephone for Information: (909) 987-0550**PRODUCT IDENTIFICATION:****Premium Alcohol Accelerator****HAZARD RATING (HMIS/NFPA)****Health = 2**  
**Flammability = 3**  
**Reactivity = 0****Section 2 - HAZARDOUS INGREDIENTS INFORMATION:**

Hazardous Components: (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Isopropyl alcohol (67-63-0) *	400ppm	400ppm	NE	85-100%
Alkyl toluidines (99-97-8)	NE	NE	NE	1-15%

\* 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.

**Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:**

Boiling Point: NE Specific Gravity (H<sub>2</sub>O=1): 0.79  
 Vapor Density (Air=1): 2.1 Melting Point: -89 C  
 Vapor Pressure at 38 C (mm Hg): 90 Evaporation Rate(Butyl Acetate = 1): 1.7  
 Solubility in Water: Completely  
 Appearance & Odor: Water-white to straw colored, transparent liquid with mild odor.

**Section 4 - FIRE AND EXPLOSION HAZARD DATA:**

Flash Point (Method Used): 53 F (TCC) Flammable Limits: LEL: 2.0% UEL: 12%  
Extinguishing Media: Water spray, carbon dioxide, dry chemical or alcohol foam.  
Special Fire Fighting Procedures: Firefighters should use self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby areas.  
Unusual Fire and Explosion Hazards: Product is Flammable! Respiratory protection required for fire fighters. Stay upwind from fire if possible when fire-fighting.

**Section 5 - REACTIVITY DATA:**

Stability: Stable XX Conditions to Avoid: Storage in open containers, exposure to heat or open flame.  
Incompatible Materials to Avoid: Strong acids, aluminum, acetaldehyde, chlorine, ethylene oxide, hydrogen-palladium, hydrogen peroxide-sulfuric acid, isocyanates, nitroform, phosgene, perchloric acid, oleum, acids, alkalis, amines, halogens, anhydrides.  
Hazardous Decomposition or Byproducts: Carbon monoxide or carbon dioxide.  
Hazardous Polymerization: May Not Occur XX  
Conditions to Avoid: Heat or open flame.

**Section 6 - HEALTH HAZARD DATA:**

Route(s) of Entry: Inhalation: YES Skin: YES Ingestion: YES  
Health Hazards (Acute and Chronic):  
Acute - irritation, burning of eyes/nose; liquid will damage eye tissues.  
Chronic - prolonged and/or repeated skin contact may be irritating.  
 Carcinogenicity: NTP: NO IARC Monographs: NO OSHA Regulated: NO

Signs and Symptoms of Exposure: Moderately irritating to eyes/nose/throat/respiratory tract; possible headaches, giddiness, dizziness or nausea.

Medical Conditions Generally Aggravated by Exposure: Preexisting skin, eye & respiratory disorders may be aggravated.

**First Aid Procedures:**

Inhalation - move to fresh air, give artificial respiration if not breathing. Get immediate medical attention.

Eyes - immediately flush with water for 15 min. & obtain medical attention.

Skin - immediately wash with soap & water, remove contaminated clothing & wash before reuse, get medical attention if irritation persists.

Ingestion - if conscious immediately induce vomiting keeping the victim's head below their hips while vomiting to prevent breathing vomit into the lungs. Immediately obtain medical attention.

PHYSICIAN NOTE: No specific antidote, thus, overexposure is best treated through control of symptoms.

**Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:**

Steps to Be Taken in Case Material is Released or Spilled: Dike area, extinguish all ignition sources, ground handling equipment. To remove spill if large, wearing self-contained breathing equipment and protective clothing/glasses/apron/boots for large spills, disposing into DOT-approved waste containers keeping out of sewers/drains/surface water and soil; residues require similar disposal.

Waste Disposal Method: Non-flammable absorbent used is disposed of according to federal/state & local regulations. Empty containers with residues are safely handled as full containers for proper disposal.

Precautions to Be Taken in Handling and Storing: Keep away from heat, sparks & flames, storing in a cool, dry, well-ventilated area away from incompatible materials. Vent drum containers frequently to relieve pressure in hot weather; use grounded and non-sparking equipment when handling & do not use pressure to empty container. Wash hands well with soap & water and do not use or store near food.

Other Precautions: Do not store in aluminum above 120 F. EPA-RACA (40 CFR 262.21) as ignitable waste material #D001 & transportation label as Isopropanol UN1219.

**Section 8 - CONTROL MEASURES:**

Respiratory Protection (Specify Type): NIOSH-approved respirator appropriate for emission levels.

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

Protective Clothing or Equipment: Vinyl/rubber gloves impervious/alcohol & safety glasses with shields. Apron to protect clothing. Wear NIOSH-approved self-contained breathing apparatus in the absence of adequate ventilation.

Work/Hygienic Practices: Avoid direct contact with eyes/skin. Wear protective safety equipment as necessary to minimize contact. Wash hands with soap and water and launder contaminated clothing before reuse. Do not store or use near food.

**Section 9 – OTHER:**

Shipping - IMO: Isopropanol Class 3, UN1219, Packing Group II.

IATA: Consumer Commodity. Class 9, ID8000, PKG Inst. 910

DOT exception: Consumer Commodity ORM-D.

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.*