








MATERIAL SAFETY DATA SHEET

AND COMPANY IDENTIFICATION			
PRODUCT NAME: Break-Free CLP Liquid		CLP MIL-E REV A	
PRODUCT NUMBER:			
TRADE NAME: Break-Free CLP Liquid GENERAL USE: Cleaner CHEMICAL FAMILY: Solvent Blend PRODUCT DESCRIPTION: Light amber colored liquid. Mild odor.			
MANUFACTURER Safariland LLC	EFFECTIVE DATE: March 4, 2011 DATE OF EXPIRATION: March 3, 2014 SUPERSEDES DATE: August 2, 2010		
TELEPHONE NUMBER (General Inquiries) 904-741-5400	CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS		
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway			1-800-255-3924 North America (Toll Free)
(CITY, STATE AND ZIP CODE) Jacksonville, FL 32218	COUNTRY USA	813-248-0585 International and Local Calls	
SECTION 2 - HAZARDS IDENTIFICATION			
EMERGENCY OVERVIEW			
Product is combustible under fire conditions. Fumes can cause mild to moderate irritation to skin, respiratory system and eyes. A risk of aspiration exists with this product if it is regurgitated. Overall toxicity is low however.			
USA	CANADA HAZARD	EUROPEAN	(GHS) HAZARD SYMBOLS
None in USA			
0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE 3 = HIGH, 4 = EXTREME * - CHRONIC HEALTH HAZARD		HEALTH:	1
		FLAMMABILITY:	1
		PHYSICAL HAZARD:	0
REQUIRED PERSONAL PROTECTIVE EQUIPMENT:			
HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER: B		 	Safety glasses and gloves should be worn.
RISK PHRASES			
R22: Harmful if swallowed. R36/37/38: Irritating to eyes, respiratory system and skin. R65: May cause lung damage if swallowed.			
SAFETY PHRASES			
S2 : Keep out of the reach of children. S37/39 : Wear suitable gloves and eye/face protection. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).			
POTENTIAL HEALTH EFFECTS			
ACUTE EXPOSURE EFFECTS			
INHALATION:			
Causes mild to moderate irritation of respiratory system , coating effect of oils in product can cause breathing difficulty if product mists are inhaled at higher concentrations over prolonged exposures.			
SKIN:			
Contact may cause mild irritation. Repeated contact may cause defatting of skin and rash.			
EYES:			
Liquid or vapor may cause mild to moderate irritation.			
INGESTION:			
May cause nausea, vomiting and diarrhea if swallowed. Lung injury may occur from aspiration of regurgitated product.			
CHRONIC EXPOSURE EFFECTS			
Rash and defatting of skin may occur from chronic dermal exposure, while shortness of breath may occur from repeated inhalation of mists. Chronic ingestion symptoms will resemble those of acute ingestion.			
CARCINOGENICITY:			
NTP? NO		IARC MONOGRAPHS? NO	
OSHA REGULATED? NO			
CALIFORNIA, Prop.65? NO		ESIS NOTATION? NO	

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SECTION 3 - HAZARDOUS INGREDIENTS					
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 2)
1-Decene, homopolymer, hydrogenated	45-55	68037-01-4	500-183-1	Xn	R65
1-Decene, dimer, hydrogenated	5-12	68649-11-6	500-228-5	Xn	R65
1-Decene, homopolymer, hydrogenated	5-10	68037-01-4	500-183-1	Xn	R65
Hexanedioic acid, bis(2-ethylhexyl) ester	5-15	103-23-1	203-090-1	Xn	R65
tolutriazol compound	0.1-1.0	NJTSR No 800983-5044P	249-596-6	Xn	R22,R36,R37
<p>NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1997/2006/EC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directives and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.</p>					
SECTION 4 - FIRST AID MEASURES					
<p>INHALATION: Place victim in well-ventilated area. If victim is not breathing, perform artificial respiration.. Seek immediate medical attention.</p>					
<p>EYES: Remove contact lenses if present, then rinse eyes for a minimum of 15 minutes. Seek medical attention if irritation persists.</p>					
<p>SKIN: Irritation may occur due to solvent-induced dermatitis. Thorough hand-washing with hand cleanser is recommended as prophylaxis. If severe or recurrent irritation occurs and skin is damaged, seek medical attention.</p>					
<p>INGESTION: If swallowed, DO NOT induce vomiting. Give 1-2 glasses of water. Get medical attention immediately.</p>					
SECTION 5 - FIRE FIGHTING MEASURES					
<p>DATA RELATED TO FIRE:</p> <p style="text-align: center;">FLASH POINT: 94°C (201°F) PMCC AUTO-IGNITION TEMPERATURE: Not Reported</p> <p style="text-align: center;">FLAMMABLE/EXPLOSIVE LIMITS: LOWER: NR UPPER: NR</p>					
<p>SENSITIVITY TO MECHANICAL IMPACT/ STATIC DISCHARGE: NOT SENSITIVE</p>					
<p>GENERAL HAZARDS: Product is combustible under fire conditions.</p>					
<p>SUITABLE EXTINGUISHING MEDIA: Water Spray, Carbon Dioxide, Alcohol Foam or Dry Chemical</p>					
<p>UNSUITABLE EXTINGUISHING MEDIA: Water Streams are not recommended, as product floats on water and will remain ignited.</p>					
<p>FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH approved, positive pressure self-contained breathing apparatus to avoid exposure from decomposition products. Proper eye and skin protection should be used. Use water spray to disperse vapors and keep containers and nearby structures cool.</p>					
<p>UNUSUAL FIRE AND EXPLOSION HAZARDS: Ignited liquid will float on water and spread fire; do not use water streams in fire-fighting.</p>					
<p>HAZARDOUS COMBUSTION PRODUCTS: May produce fumes containing carbon monoxide. Self-contained breathing apparatus is required for fire-fighting purposes.</p>					


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SECTION 6 - ACCIDENTAL RELEASE MEASURES			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:			
<p>AVOID BREATHING VAPORS. Wipe up small spills or use absorbent material to soak up. Store in closed containers. DO NOT FLUSH TO SEWER. For large spills in a poorly ventilated area, evacuate personnel and equip the clean-up crew with respiratory and skin/eye protection. Follow normal industrial practices for cleaning solvent/oil spills. Use proper protective equipment, dike the area to confine the spill, shut off potential ignition sources and use a good absorbent to soak up the spill. Always store the waste in closed containers.</p>			
SECTION 7 - HANDLING AND STORAGE			
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:			
<p>Do not store above 120°F. Do not use around open flames. Maintain adequate ventilation and keep from children. Note that some vapors are heavier than air and can collect in low areas such as pits and storage tanks. Do not enter those areas where large quantities of vapors are suspected of collecting until exchanging the air or using special breathing apparatus with an observer present for possible assistance.</p>			
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION			
Component	CAS #	ACGIH Exposure Limits (mg/m³ unless otherwise noted)	OSHA Exposure Limits (mg/m³ unless otherwise noted)
Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5	5mg/m ³ mist	5mg/m ³ mist
(a) - limits listed are for mineral-based oils as mists, and not for specific CAS numbers. Components not listed have no Occupational Exposure Limits provided by ACGIH or OSHA.			
PERSONAL PROTECTION			
RESPIRATORY PROTECTION:			
<p>No special protection required when used in a well-ventilated area. In restricted spaces, use approved chemical/mechanical filters designed to remove a combination of particles and organic vapor. In confined areas, use an approved air line respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above recommended levels (see above).</p>			
PROTECTIVE GLOVES:			
<p>Polyethylene, neoprene or PVC advised for prolonged and repeated contact.</p>			
EYE PROTECTION:			
<p>It is advised to comply with OSHA Standard 29CFR 1910.133. Safety glasses or goggles are recommended to avoid splashing product into eyes and are required in industrial/commercial settings.</p>			
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:			
<p>Use additional protective clothing as necessary to prevent skin contact.</p>			
ENGINEERING CONTROLS:			
<p>Where mists or fumes can accumulate, used fans or other forced-air ventilation; mask may be needed in some situations.</p>			
WORK / HYGIENIC PRACTICES:			
<p>Do not smoke, eat or drink while using this product. Wash hands with soap and water before smoking, eating, drinking or using toilet facilities. Launder contaminated clothing before re-use.</p>			
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOR		VAPOR PRESSURE	
Slightly amber liquid with mild odor.		Not Reported	
ODOR THRESHOLD		SPECIFIC GRAVITY (WATER = 1)	
Not Reported		0.87	
FREEZING / MELTING POINT		BOILING POINT	
Not Reported		Not Reported	
SOLUBILITY IN WATER		COEFFICIENT OF WATER / OIL DISTRIBUTION	
None		Not Reported	
pH		SOLUBILITY IN ORGANIC SOLVENTS	
Not Reported		Not Reported	
FLASH POINT		VISCOSITY	
90.6°C (195°F) PMCC		Not Reported	
FLAMMABLE LIMITS		VAPOR DENSITY (AIR = 1)	
LEL: None UEL: None		Not Reported	
AUTOIGNITION TEMPERATURE		EVAPORATION RATE (DIETHYL ETHER = 1)	
Not Reported		>1	
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION			
Not Reported			
NOTES: None			

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SECTION 10 - STABILITY AND REACTIVITY			
STABILITY Stable at Normal Temperatures	CONDITIONS TO AVOID: Extreme Heat (above 120°F), Open Flames , Ignition Sources		
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon oxides , black smoke			
HAZARDOUS POLYMERIZATION: Will Not Occur	CONDITIONS TO AVOID: None Related to Polymerization		
SECTION 11 - TOXICOLOGICAL INFORMATION			
Complete Product			
Oral LD₅₀	Product is a gastro-intestinal irritant; Oral LD50 not known, but is estimated >5000 mg/kg.		
Dermal LD₅₀	Not known - potentially irritating to skin.		
Inhalation LC₅₀	Not known - potentially irritating by inhalation.		
Irritation / Sensitization	Expected irritant to eyes; potential irritant to skin and respiratory tract.		
Carcinogenicity	Not Known		
Mutagenicity	Not Known		
Reproductive Toxicity	Not Known		
Teratogenicity	Not Known		
Product Components			
Component	CAS #	LD50 of Ingredient (Oral, Rat - unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat - unless otherwise specified)
Components not listed do not have published information concerning toxicity.			
tolutriazol compound	NJTSR No 800983-5044P	675mg/kg	NE
SECTION 12 - ECOLOGICAL INFORMATION			
No information is available on this specific product, but ingredients in this product may cause harm to aquatic organisms. Do not let this product enter the environment. Do not release into sewers or bodies of water.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Dispose of all wastes in accordance with federal, state and local regulations. Treat this type of waste as waste oil. Incineration is normally preferred. Never dump into the sewer or on the ground or into any navigable waters, streams, lakes or rivers.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Not Regulated for Transport.			
DOT HAZARD CLASS / Pack Group: None		IATA HAZARD CLASS / Pack Group: None	
REFERENCE: 49 CFR 170-177		IMDG HAZARD CLASS: None	
UN / NA IDENTIFICATION NUMBER: None		RID/ADR Dangerous Goods Code: None	
LABEL:		TDG Class / Pack Group:	
HAZARD SYMBOLS: None		Hazard Identification Number (HIN): None	
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			
SECTION 15 - REGULATORY INFORMATION			
TSCA (USA - Toxic Substance Control Act):		Components are Listed	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health:	NO	Chronic Health:	NO
Fire:	NO	Sudden Release of Pressure:	NO
Reactive:	NO		

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SECTION 15 - REGULATORY INFORMATION (Continued)		
CERCLA (USA - Comprehensive Response Compensation and Liability Act):	No RQ for product.	
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:	No reportable components.	
CPR (Canadian Controlled Products Regulations):	This product has been classified in accordance with the hazard criteria of the Controlled Products regulations and the MSDS contains all of the information required by those regulations. WHMIS Classifications: D2B	
IDL (Canadian Ingredient Disclosure List):	Ingredients are listed as required on the CIDL.	
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):	Listed on the DSL.	
EINECS (European Inventory of Existing Commercial Chemical Substances):	Referenced for listed components.	
WGK Water Quality Index:	1	
SECTION 16 - OTHER INFORMATION		
Legend:		
ACGIH	American Congress of Government Industrial Hygienists	
CAS	Chemical Abstracts Service	
EINECS	European Inventory of Existing Commercial Chemical Substances	
HMIS	Hazardous Materials Identification System	
IARC	International Agency for Research on Cancer	
NA	Not Available	ND Not Determined
NE	Not Established	NR Not Reported
NIOSH	National Institute for Occupational Safety and Health	
NTP	National Toxicology Program	
OSHA	Occupational Safety and Health Administration	
REVISION SUMMARY:	Revised 03/04/2011. Replaces 8/2/2010 edition. JTV	
MSDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com		
<p>The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.</p>		