



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
PRODUCT NAME: Break-Free CLP Liquid		PRODUCT NUMBER: 400-NC-00001-0-021 C-01F		DATE: July 10, 2008	
TRADE NAME: Break-Free CLP Liquid GENERAL USE: Gun Cleaner CHEMICAL FAMILY: Solvent Blend. PRODUCT DESCRIPTION: Light amber colored liquid - aerosol. Mild odor					
MANUFACTURER Armor Holdings Products L.L.C.			DATE PREPARED: July 10, 2008 SUPERSEDES: March 25, 2000		
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway			TELEPHONE NUMBER FOR INFORMATION / Customer Service 904-741-5400		
(CITY, STATE AND ZIP CODE) Jacksonville, FL. 32218		COUNTRY USA		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER  1-800-255-3924 01-813-248-0574 North America Toll Free International	
SECTION 2 - HAZARDOUS INGREDIENTS					
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Polyalphaolefin Oil	50-70	68037-01-4	500-183-1	None	None
Synthetic Rust Inhibitors, esters, & lubrication additives.	20-30	Proprietary	None Listed	NA	NA
Dibasic Ester #1	3-8	Proprietary	None Listed	None	None
Petroleum Distillates, Hydrotreated	1-5	64742-48-9	265-150-3	(T)	R45
Notes:					
SECTION 3 - HAZARDS IDENTIFICATION					
EMERGENCY OVERVIEW					
Note: All components are in full compliance with the Toxic Substances Control Act (TSCA) Inventory Regulations. All SARA Title III requirements have been complied with.					
POTENTIAL HEALTH EFFECTS					
INHALATION:					
Respiratory irritation and discomfort may be experienced if mists of materials resembling mineral oils are breathed at air concentrations exceeding recommended exposure levels. Excessive inhalation can cause respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headaches and possible unconsciousness.					
SKIN:					
Possible slight to moderate redness may occur with extended daily exposure. Not classified as a primary skin irritant or corrosive.					
EYES:					
Possible transient irritation. Not classified as a primary irritant.					
INGESTION:					
Single dose oral toxicity is considered very low. Small amounts swallowed incidental to handling operations are not likely to cause injury. Swallowing large amount may cause injury and if aspirated (liquid enters the lung) may be rapidly absorbed through the lungs and result in injury to other body systems.					
CARCINOGENICITY:					
NTP? No		IARC MONOGRAPHS? No		OSHA REGULATED? No	
CALIFORNIA, Prop.65? No					
SECTION 4 - FIRST AID MEASURES					
INHALATION:					
If inhaled, move to fresh air. Anesthetic or narcotic effects could occur from overexposure to vapors, so call a physician; if available, give oxygen. If breathing stops, give mouth-to-mouth resuscitation. Follow good industrial hygiene practices.					
EYES:					
Flush for at least 15 minutes with potable water, contact a physician if irritation persists.					
SKIN:					
Wash with plenty of soap and water.					
INGESTION:					
If swallowed, do not induce vomiting. If conscious, drink large quantities of water and seek immediate medical attention.					

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SECTION 5 - FIRE FIGHTING MEASURES								
GENERAL HAZARDS: Flash Point: 94°C (201°F) PMCC								
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam.								
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. If a spill has not ignited, use water spray to disperse vapors and keep container cool.								
UNUSUAL FIRE AND EXPLOSION HAZARDS: After ignition, the use of water can scatter the liquid thereby possibly spreading the fire. Ignition may also produce dense black smoke.								
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide								
SECTION 6 - ACCIDENTAL RELEASE MEASURES								
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For small spills, vacuum into waste containers or absorb with dry sand or absorbent cloth. For large spills immediately evacuate the area and shut off potential ignition sources. Only personnel equipped with proper respiratory and skin/eye protection should be permitted in the area. Dike the area to contain the spill. Take precautions as necessary to prevent contamination of ground or surface waters. Recover with a wet vacuum or absorb spilled material in sawdust or vermiculite and sweep into closed containers for disposal. After all visible traces have been removed, thoroughly wet vacuum area again. DO NOT FLUSH INTO SEWER.								
SECTION 7 - HANDLING AND STORAGE								
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from open flame or other ignition sources. Do not store above 120°F. Maintain adequate ventilation and keep from children. Note that some vapors are heavier than air and can displace air in low areas or confined spaces such as pits or 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.								
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION								
HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	TWA ppm	PEL mg/m3
Polyalphaolefin Oil	NA	5	NA	NA	5	NA	NA	NA
Synthetic Rust Inhibitors, esters, & lubrication additives.	NA	5	NA	NA	5	NA	NA	NA
Dibasic Ester #1	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Distillates, Hydrotreated	NA	5	NA	NA	5	NA	NA	NA
PERSONAL PROTECTION								
RESPIRATORY PROTECTION: Not required for normal work situations where adequate ventilation is provided. Use NIOSH European EN-149 approved self contained, positive pressure respirators for emergencies and in situations where air may be displaced by vapors. Follow OSHA Std. 29CFR 1910.134.								
PROTECTIVE GLOVES: Use gloves and full protective clothing if there is prolonged or repeated contact of liquid with skin. Solvex gloves recommended.								
EYE PROTECTION: For normal conditions wear safety glasses. Where there is reasonable probability of liquid contact, wear splash proof goggles. Contact lenses should not be worn under such conditions. If vapor exposure causes eye discomfort, use a full-face respirator.								
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety shower and eye-wash fountain in manufacturing areas. Personal protective clothing and use of equipment must be in accordance with 29CFR 1910.132 and 29CFR 1910.133.								
WORK / HYGIENIC PRACTICES: Do not smoke, eat or drink while using the product. Wash hands with soap and water before smoking, eating, drinking or using toilet facilities. Launder contaminated clothing before re-use.								

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOR Light amber colored liquid with a very mild odor.		VAPOR PRESSURE NA	
pH NA		SPECIFIC GRAVITY (WATER = 1) 0.87	
BOILING POINT / BOILING RANGE 190.5°C (375°F) Initial		SOLUBILITY IN WATER Nil	
FLASH POINT 94°C (201°F) PMCC		VISCOSITY NA	
FLAMMABLE LIMITS LEL: NE UEL: NE		VAPOR DENSITY (AIR = 1) NA	
AUTOIGNITION TEMPERATURE NE		EVAPORATION RATE >1 (Ether = 1) VOC- <5% (wt)	
SECTION 10 - STABILITY AND REACTIVITY			
STABILITY STABLE X		CONDITIONS TO AVOID: Sources of ignition such as sparks, hot spots, welding, flames, and cigarettes.	
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Monoxide, carbon dioxide.			
HAZARDOUS POLYMERIZATION: Will not occur.		CONDITIONS TO AVOID: None related to polymerization.	
SECTION 11 - TOXICOLOGICAL INFORMATION			
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Polyalphaolefin Oil	68037-01-4 500-183-1	>5000 mg/kg (ORAL, RAT)	NR
Synthetic Rust Inhibitors, esters, & lubrication additives.	Proprietary None Listed	NR	NR
Dibasic Ester #1	Proprietary None Listed	NR	NR
Synthetic Isoparaffinic Hydrocarbon	64742-48-9 265-150-3	>5000 mg/kg (ORAL, RAT)	NR
SECTION 12 - ECOLOGICAL INFORMATION			
No specific ecological information is available for this product, however it is known that organic compounds can be persistent pollutants. Do not release product in waterways or sewer systems.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Recovered liquids may be reprocessed, or incinerated, or treated in a permitted hazardous waste management facility. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination. Dispose of chemical materials and/or their containers in accordance with the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, as well as any other Federal, State, or local laws and regulations regarding disposal.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Aerosol ORM-D (North America) , Toxic Liquid, Organic, n.o.s. (Europe)			
DOT HAZARD CLASS / Pack Group: ORM-D		IATA HAZARD CLASS / Pack Group: 6.1 / III	
REFERENCE: 49CFR		IMDG HAZARD CLASS: III	
UN / NA IDENTIFICATION NUMBER:		RID/ADR Dangerous Goods Code: 6.1	
LABEL: ORM-D, Toxic label in Europe		UN TDG Class / Pack Group: III	
HAZARD SYMBOLS: None for North America in Limited Quantities		Hazard Identification Number (HIN): 60	
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.			

