BREAK-FREE CLP NC, Aerosol

Section I — PRODUCT IDENTITY

Mfg.: Break-Free Inc. an Armor Holdings Inc. Company
13386 International Parkway
Jacksonville, FL 32218

Trade Name: Break-Free CLP NC Aerosol
Description: Cleaner, Lubricant, Preservative
DOT Class: Consumer Commodity ORM-D
NFPA Rating: Health=1, Fire=1, Reactivity=0

Information Phone: 904-741-5400
Date Prepared: February 10, 2004
Supersedes: June 6, 2003
Prepared By: Don Yoder

TRANSPORTATION EMERGENCY PHONE NUMBER: CHEM-TEL, INC. 1-800-255-3924 (U.S. and Canada) or 1-813-979-0626 (call collect)

Section II — HAZARDOUS INGREDIENT/IDENTITY INFORMATION

Chemical or Common Name:	CAS #:	PEL:	TLV:	STEL:	TWA
Polyalphaolefin synthetic oil	68037-01-4	5 mg/m^3 as mist	5 mg/m^3 as mist	10mg/m^3 as mist	5 mg/m^3 as mist
Synthetic inhibitors and lubricant additives	Proprietary	5 mg/m^3 as mist	5 mg/m^3 as mist	Not Established	Not Established
Dibasic Ester #1	Mixture	Not Established	Not Established	Not Established	Not established
2-Ethylhexyl acetate	103-09-3	Not Established	Not Established	Not Established	Not Established
Petroleum Distillates, Hydrotreated	64742-47-8	5 mg/m^3 as mist	5 mg/m^3 as mist	Not Established	Not Established
Isobutane/Propane Blend	68476-85-7	1000 ppm	1000 ppm	Not Established	Not Established

NOTE: All SARA Title III materials have been reported. All ingredients contained in this formula are listed on the *Toxic Substances Control Act* (TSCA) chemical inventory.

Section III — PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	375ºF for Concentrate	**Specific Grav.:**	0.88	**Sol. in Water:**	Nil
Vapor Pres.:	PSIG @ 70F=60 MAX	**Appearance:**	Light amber color	**Evaporation Rate:**	NE
Vapor Density:	NA	**Odor:**	Mild	**% Volatile:**	25.6% by weight
Pour Point:	-59.4ºC (-75ºF)	**VOC:**	21% by weight		

Section IV — FIRE & EXPLOSION HAZARD DATA

Flash Point: Aerosol - Flammable **Flammability Limits:** NE **Autoignition Threshold:** NE

Extinguishing Media: Carbon Dioxide, Foam, Dry Chemical, use water to cool exposed surfaces

Fire Fighting Procedures: Firefighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus to avoid exposure from decomposition products. Proper eye and skin production should be used. If a spill has not ignited, use water spray to disperse vapors and keep containers cool.

Unusual Fire & Explosion Hazards: After ignition, the use of water can scatter the liquid thereby possibly spreading the fire. Ignition may also produce dense black smoke. Do not store Aerosols above 120ºF or the container may rupture.

Section V — REACTIVITY DATA

Stability: Stable **Incompatibility:** Avoid strong oxidizing agents. **Hazardous Polymerization:** Will not occur.

Conditions to avoid: Sources of ignition such as sparks, hot spots, welding, flames, and cigarettes.

Hazardous Decomposition Products: Oxides of Carbon, Sulfur, Nitrogen and PTFE powder.

Section VI **HEALTH HAZARD DATA**

Primary Routes of Entry: Inhalation, Ingestion, Skin, Eyes.

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.

Ingestion: The mixture has a low level of toxicity (LD50 > 5g/kg). Small amounts of the liquid aspirated into the respiratory system during ingestion or vomiting may cause pulmonary edema or bronchopneumonia. Minimal toxicity.

Skin Contact: Possible slight to moderate redness may occur with extended daily exposure. Not classified as a primary skin irritant or corrosive.

Eye Contact: Possible transient irritation. Not classified as a primary irritant.

Acute or Chronic Health Hazards: While expected to be non-irritating from the skin, eye and oral testing done, as with all petroleum products, prolonged and repeated contact with the skin could cause irritation and possible dermatitis. The synthetic oils and additives could also be absorbed through abraded skin, but the information from dermal toxicity tests suggest that no acute systemic effects would be expected in healthy individuals.

EMERGENCY AND FIRST AID PROCEDURES Follow good industrial hygiene practices: If splashed in the eyes, flush with water immediately for 15 minutes. If spilled on clothing, remove soiled clothing and wash skin with soap and water. Launder all contaminated clothing before reuse. If swallowed, **DO NOT** induce vomiting. If conscious, drink large quantities of water and seek immediate medical attention. 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.

NOTE: This material is not known to contain any carcinogen required to be listed under the *Hazard Communication Standard* 29CFR 1910.1200 from the *National Toxicology Program* (NTP) or the *International Agency for Research on Cancer* (IARC) sources.

Section VII **PRECAUTIONS FOR SAFE HANDLING & USE**

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.**

Waste Disposal: 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.

Precautions to be Taken in Storage & Handling: Keep away from open flame or other ignition sources. Do not store above 120ºF. 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 VIII **PERSONAL PROTECTION INFORMATION**

Respiratory Protection/Ventilation: Not required for normal work situations where adequate ventilation is provided (see next section). Use NIOSH approved self-contained positive pressure respirators for emergencies and in situations where air may be displaced by vapors or in confined areas with low air exchange rates. Follow OSHA Std. 29CFR 1910.134.

Ventilation: No special requirements. Use local exhaust at filling zones and where leakage is probable. Use mechanical ventilation for storage areas. For general dilution or local exhaust maintain adequate air exchange to avoid vapor build-up. All ventilation should be designed in accordance with OSHA Std. 29CFR 1910.94.

Skin Protection: Polyethylene, Neoprene or PVC protective gloves if there is prolonged and repeated contact with skin.

Eye Protection: For normal conditions, none is required. Where there is reasonable probability of liquid contact, wear splash-proof goggles. Contact lenses should not be worn under such conditions.

Other Protective Clothing: 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 and Hygienic Practices: 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 reuse.