

**SAFTY DATA SHEET****XCELPLUS INTERNATIONAL INC**

DATE: November 15, 1999

PRODUCT CODE: B-MPG-477

FORMULA CODE: Pfl-LS 477

**PRODUCT NAME: Pfl Non-Melting Multi-Purpose Grease****Page 1****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****IDENTIFICATION OF THE TWO PREPARATIONS:****CHEMICAL FAMILY:** Proprietary Mixture**PRODUCT DESCRIPTION:** No. 2 Grease Compound**SUPPLIER:**

XCELPLUS INTERNATIONAL INC.  
7111 CLINTON DRIVE  
HOUSTON, TEXAS 77020  
Telephone: ( 804 ) 758-8426 (office hours)  
Facsimile: ( 804 ) 758-9684

**DISTRIBUTED BY:**

XCELPLUS INTERNATIONAL INC  
5041 General Puller Hwy  
Saluda, VA 23149

**EMERGENCY TELEPHONE NUMBER:** North America ( 800 ) 460-3146 (office hours)  
Chemtrec ( 800 ) 424-9300

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Components	Cas No.	EINECS	Index No.	Symbol	R / S phrase	Wt%
Hydrotreated, heavy naphthenic distillate	64742-52-5					75 - 90

This formulation is a "Trade Secret". The other proprietary components in this product are not considered hazardous as defined in the OSHA Hazard Communication Standard 29,CFR 1900.1200 and does not contain proprietary components in sufficient concentrations to require a hazard classification for health in accordance with EC Directives. Full disclosure is available to authorized Medical Personnel.

**3. HAZARDS IDENTIFICATION**

This product is not hazardous under the criteria of the OSHA Hazard Communication Rule, 29 CFR 1900.1200.

**Inhalation:** Not expected.  
**Eye Contact:** Eye Irritant.  
**Skin Contact:** Defatting to the skin. Prolonged or repeated contact can cause irritation and dermatitis.  
**Ingestion:** May cause nausea, vomiting or diarrhea.

**PHYSICAL AND CHEMICAL HAZARDS / FIRE AND EXPLOSION HAZARDS**

- Low hazard. Material can form combustible mixtures or can burn only upon heating to temperatures at or above the flash point.

**Toxic gases will form upon combustion. See Section 5 "FIRE – FIGHTING MEASURES".**

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Move to fresh air.

**EYE CONTACT:**

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persist.

**SKIN CONTACT:**

Remove contaminated clothing. Wash contaminated areas with soap and water.

**INGESTION:**

Give two ( 2 ) 16 oz. glasses of water to dilute stomach contents. Induce vomiting until vomit is clear. Have victim lean over to avoid aspiration. Get medical attention immediately. NEVER give anything by mouth to an unconscious person.

**5. FIRE FIGHTING MEASURES****FIRE FIGHTING PROCEDURES;****FLASH POINT (METHOD TCC):** 121.1 C / 450 F**FLAMMABLE LIMITS:** Not established.**EXTINGUISHING MEDIA:** Use dry chemical, foam, CO<sub>2</sub> , water.**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS :** Include fumes, smoke, carbon monoxide.**SPECIAL FIRE FIGHTING PROCEDURES:** Avoid breathing smoke and vapor. Respiratory and eye protection required for fire fighting personnel. Use water fog to cool containers and to wash away. Avoid spraying water directly into containers, due to danger of boil over.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Containers heated by fire can support combustion.**6. ACCIDENTIAL RELEASE MEASURES****LAND SPILL:**

Contain spill. Mop up or otherwise absorb. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Prevent entry into sewers or streams.

See also Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

**WATER SPILL**

Large spills. Warn other shipping. Notify port or relevant authority and keep public away. Shut off source if possible to do so without hazard. Confine if possible.

Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies. Sinking and / or suitable dispersant may be used in non-confined waters.

See also Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

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**7. HANDLING AND STORAGE**

**STORAGE TEMPERATURE:** (Deg. C) : Ambient  
**TRANSPORT TEMPERATURE:** (Deg. C) : Ambient  
**LOADING / UNLOADING TEMPERATURE:** (Deg. C) : Ambient  
**VISCOSITY** ( cSt ) : ND  
**STORAGE / TRANSPORT PRESSURE** (kPa) : Atmospheric  
**ELECTROSTATIC ACCUMULATION HAZARD :** NA.  
**USUAL SHIPPING CONTAINERS:** 14 oz. tube, 40 lb. pail 120 lb drum and 55 gal.drums  
**STORAGE / HANDLING, GENERAL NOTES:**

Keep containers closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated place, away for incompatible materials. Do not handle, store or open near an open flame, source of heat or sources of ignition Do not pressurize, cut or weld containers. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning.

**ADDITIONAL WARNINGS:**

Containers contain residue when empty. Continue to observe all precautions.

**8. EXPOSURE CONTROLS / PERSONEL PROTECTION**

**ENGINEERING CONTROL MEASURES / VENTILATION:**

**EXPOSURE LIMITS:** Not established for product. (See Section 2: Composition / Information on Ingredients).  
**EYE PROTECTION:** Chemical goggles for primary protection. For severe exposure add face shield.  
**PROTECTIVE GLOVES:** Resistant to chemical penetration.  
**RESPIRATORY PROTECTION:** Use of respiratory protection is generally not required. However, if use conditions (e.g. elevated temperatures) generate vapors, or fumes use NIOSH-APPROVED organic vapor respirators with dust, mist, and fume filters to reduce potential for inhalation exposure. Where exposure potential necessitates a higher level of protection, use a NIOSH-APPROVED positive pressure, pressure demand, air supplied respirator. When using respirator cartridges or canisters, they must be changed frequently (following each use or at the end of the work-shift) to assure breakthrough exposure does not occur.

**ODOR:** Petroleum  
**PH:** ND  
**FREEZE / MELT POINT:** ND  
**BOILING POINT RANGE:** 315.6 / 600 F  
**FLASHPOINT (TCC):** 232.2 C / 450 F  
**VAPOR PRESSURE:** < 10 mm Hg. @ 20 C  
**VAPOR DENSITY** > 1  
**SPECIFIC GRAVITY:** 1.05  
**SOLUBILITY IN WATER:** Negligible  
**EVAPORATION RATE:** < 1

**MECHANICAL VENTILATION:** Recommended

**LOCAL EXHAUST VENTILATION:** At source of heated vapors.

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**OTHER:** If repeated or prolong skin contact or contamination of clothing is likely, chemical resistant protective clothing should be worn.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Buttery  
**COLOR:** White

**10. STABILITY AND REACTIVITY**

**HAZARDOUS POLYMERIZATION :** Will not occur  
**STABILITY:** Stable  
**CONDITIONS TO AVOID:** High temperatures, sparks and open flames.  
**MATERIALS TO AVOID:** Strong oxidizers and concentrated oxygen.

**11. TOXICOLOGICAL INFORMATION**

**INHALATION:** Not determined. Not expected to be a problem  
**EYE CONTACT:** Eye irritant.  
**SKIN CONTACT:** Defatting to skin. Long term exposure may cause irritation..  
**INGESTION:** Not determined, but believed to be of a low level of toxicity.

**12. ECOLOGICAL INFORMATION**

Ecological testing has not been conducted on this product as formulated.

**13. DISPOSAL CONSIDERATIONS**

The following advice only applies to the product as supplied. Combination with other materials may well indicate another route of disposal. If in doubt, contact local BOP supplier or local authorities. Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care in any case should be taken to ensure compliance with OSHA, EPA, EC, Federal, State and Local regulations. This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. Product is ashless and can be burned directly in appropriate equipment. Product is suitable for energy recovery in appropriate incinerators.

**14. TRANSPORTATION INFORMATION**

**DOT DESCRIPTION /**  
**PROPER SHIPPING NAME:** Grease Compound  
**DOT CLASS:** NR  
**DOT ID NUMBER:** NA

**15. REGULATORY INFORMATION**

**UNITED STATES ( SARA 313 ): NR**  
**EUROPEAN ECONOMIC COMMUNITY LABEL: ND**

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This information is based on our present state of knowledge and relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of Xcelplus International Inc.'s knowledge and believed accurate as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness Xcelplus International Inc.'s is not responsible for damages of any nature whatsoever resulting from the use of the product or reliance upon the information and recommendations. It is the user's sole responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.