

Manufactured by:
Thermal-Lube Inc.

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Section 1
Chemical Product and Company Information

Product Identification:	XL-1845 – POLYON Extreme Pressure Grease
Supplier Identification:	See "Manufactured by"
Validation date:	July 13, 2011
Product Uses:	Lubricating Grease
WHMIS Product Classification (Canada) :	Not Controlled
OSHA/HCS product Classification:	Not Hazardous

Section 2
Composition / Information on Ingredients

Ingredient	% weight	CAS number	LD₅₀/LC₅₀	Exposure

Section 3
Hazard Identification

Emergency Overview:	This product is harmful if inhaled when heated. Could cause skin, eye and respiratory tract irritation, dependant on exposure levels
Potential Health Effects:	
Eyes	Slightly irritating to the eyes
Skin	Slightly irritating to the skin
Inhalation	Slightly irritating to the respiratory tract. Could cause lung damage with high and repeated exposure levels, and when breathing hot oil mist or vapours
Ingestion	May cause gastrointestinal irritation, inflammation, nausea and/or vomiting
Acute Health Effects:	Causes skin, eye, respiratory tract and gastrointestinal tract irritation
Chronic Health Effects:	None

Section 4
First Aid Measures

Routes of Entry:	
Skin Contact:	Remove excess from skin, and wash using plenty of water and mild soap for minimum 15 minutes. Remove contaminated clothing, and launder prior to re-use. Seek medical attention if irritation develops and persists
Eye Contact:	Remove contact lenses. Flush eye with plenty of water for minimum 15 minutes, holding upper and bottom eyelids open. Seek medical attention immediately if irritation develops
Inhalation:	Remove person to fresh air. Provide oxygen and/or artificial respiration if breathing is difficult or not apparent. Seek medical advice immediately if needed.
Ingestion:	Do not induce vomiting unless advised by medical personnel.
Protection of First-Aiders:	None
Notes to Physician:	Treat symptomatically

Section 5 Fire-Fighting Measures

Flammability of product:	This product is flammable if surroundings are on fire
Flash point (°C):	224°C Cleveland Open Cup
Auto-ignition Temp. (°C):	Not available
Extinguishing media:	Carbon dioxide, dry chemical and foam
Special firefighting procedures:	Do not use direct stream of water as fire will spread. Instead, use water mist only to cool over-heated / burning containers. NIOSH/MSHA approved self-contained breathing apparatus in positive pressure mode, and full protective clothing should be worn
Hazardous Products of Combustion:	Carbon oxides (CO _x), unidentified organic compounds, nitrogen oxides (NO _x), sulfur oxides (SO _x), metal oxides, and irritating smoke from incomplete combustion
Unusual Fire and Explosion Hazards:	Stable at ambient temperatures and pressures. Toxic fumes may be emitted during combustion
Explosion Data:	Will not flash spontaneously. Not susceptible to static discharge or physical impact

Section 6 Accidental Release Measures

Spill Procedures:	Do not attempt intervention if potential threat to personal safety. Barricade area, stop leak, apply absorbent material and sweep up or shovel and dispose of appropriately. Discarded product must be disposed of in accordance with provincial/state and local environmental regulations, follow disposal methods (see Section 13)
Personal Precautions:	Keep people away from affected area. Use personal protective equipment-(see Section 8)

Section 7 Handling and Storage	
Handling Temperature:	Not applicable
Handling Procedures:	Keep product away from excessive heat and avoid formation and breathing of mist, or prolonged / repeated exposure to the skin. Wash with soap and water prior to eating, drinking, smoking, using the toilet, or leaving the premises
Storage Temperature:	Ambient temperature and pressure
Storage Procedures:	Keep product away from any incompatible materials, and in a cool, dry, well ventilated area, away from potential sources of ignition or high heat. Keep containers tightly sealed when not in use

Section 8 Exposure Controls, Personal Protection, and Exposure Limits	
Engineering Controls:	General ventilation is sufficient
Personal Protection:	Personnel should wear safety glasses to avoid particulates, an approved chemical cartridge respirator with organic vapour cartridges and particulate filter when product is heated, long sleeves and long pants, gloves and safety boots
Hygiene Measures:	Wash hands, eyes, mouth, change clothing prior to eating/smoking/leaving area
Exposure Limits:	5 mg/m ³ for oil mist particulates

Section 9 Physical and Chemical Properties	
Physical State:	Solid
Appearance:	Sticky paste
Colour:	Yellow / purple (dependant on the grade)
Odour:	Odourless
Freezing/Melting Point:	Not applicable
Boiling/Condensation Point:	Not applicable
Vapour Pressure:	Not applicable
Volatility:	Not applicable
Specific Gravity (g/ml):	0.88
Vapour Density:	Not applicable
Solubility in water:	Nil
Volatile Fraction (V%):	0
Evaporation Rate:	Not applicable
Viscosity:	Standard NLGI grades
pH:	Not applicable

Section 10

Stability and Reactivity

Conditions for Chemical Stability:	Product is stable. Keep away from incompatible materials
Conditions for Thermal Stability:	Product is stable. Maintain product at ambient temperature and pressure
Hazardous Polymerization:	Will not occur
Product Incompatibility:	Strong oxidizing agents
Hazardous decomposition products:	Oxides of carbon at high combustion temperatures
Corrosivity:	Not corrosive

Section 11

Toxicological Information

Irritancy:	Not available
Reproductive toxicity:	Not available
Carcinogenicity:	Not available
Mutagenicity:	Not available
Teratogenicity:	Not available
Effects of Acute Exposure:	Not available
Effects of Chronic exposure:	Long term exposure to oil mists of this product could lead to benign lung fibrosis. Prolonged exposure to bare skin could lead to over-drying, skin irritation and dermatitis

Section 12

Ecological Information

ENVIRONMENTAL FATE	
Atmosphere:	Not available
Water:	Not available
Soil:	Not available
Bioaccumulation Properties:	Not readily biodegradable
Products of Biodegradation:	Not applicable

Section 13

Disposal Considerations

Treatment:	Dispose of product in accordance with local, regional, municipal, provincial (state), or federal regulations. Never dispose of product in public sewers
Recycling Options:	Triple rinse (or equivalent) the empty container. Re-use with same/similar/compatible product, or recycle through accredited recycling firm

Section 14 Transport Information

In case of emergency:	CANUTEC: 613-996-6666 Poison Control Centre: Consult local telephone directory for emergency numbers(s)
Special Provisions:	
TMD Classification:	Not regulated
DOT classification:	Not regulated
Special Shipping Instructions:	Not applicable

Section 15 Regulatory Information

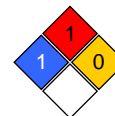
WHMIS Classification:	Not regulated
CPR Compliance:	This product has been classified in accordance with the hazard criteria of the <i>Controlled Products Regulations</i> and the MSDS contains all the information required by the <i>Controlled Products Regulations</i> .
CEPA Status (DSL):	This product or all of its components are currently listed on the Domestic substances List (DSL), as described under the Canadian Environmental Protection Act (CEPA)
TSCA Inventory Status:	This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances
Conformity to other Regions	Available upon request

Section 16 Other Information

Hazardous Material Information System (USA):

Health	1
Flammability	1
Physical Hazards	0
Personal Protection	

National Fire Protection Association (USA):



Precautionary Labels:	None
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