

POWER LUBRICANTS CORP..
**MATERIAL SAFETY
DATA SHEET**
NNL-690G
BOUNDARY LUBRICANT

HMIS INFORMATION DEGREE OF HAZARD	HMIS RATING
4 = SEVERE	HEALTH 0
3 = SERIOUS	
2 = MODERATE	FLAMMABILITY 1
1 = SLIGHT	
0 = MINIMAL	REACTIVITY 0

EMERGENCY TELEPHONE NUMBERS	
CANUTEC - 24 HOUR EMERGENCY NO. (USE IN CASE OF AN EMERGENCY ONLY)	1-613-996-6666 (NORTH AMERICA)
BUSINESS HOUR NUMBER (MONDAY THROUGH FRIDAY, 8:30 AM TO 5:00 PM MST)	1-403-252-2239 (NORTH AMERICA)

SECTION I - PRODUCT IDENTIFICATION & USE

Deleted: POWER LUBRICANTS CORP.
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MANUFACTURER: WYS MANUFACTURING LTD.
Bay 7 & 8, 4216 - 54th Avenue S.E.
Calgary, Alberta Canada T2C 2E3

SUPPLIER: [MCS Distribution, Inc.](#)
341 Rosemont St. Box 255
Colemana, WI 54112
(920) 897-3034

PRODUCT IDENTIFIER: Power Up Boundary Lubricant NNL-690G

CHEMICAL FAMILY: Mixture of Petroleum Based Hydrocarbons.

TRADE NAME (SYNONYMS): Power Up NNL-690G

PRODUCT USE: Used as a 5% additive to conventional lubricants.

REGULATORY CLASSIFICATION

WHMIS INFORMATION: NOT a WHMIS Controlled Product.

TRANSPORTATION OF DANGEROUS GOODS DATA: Primary TDG Class - Not Regulated.
See **Section X** For Additional Information.

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Ingredients	Concentration %	C.A.S. #	Exposure Limit	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
None Applicable					

SECTION III - PHYSICAL DATA

Physical State:	Liquid.
Odour & Appearance:	Light amber colour, clear. Pleasant odour.
Odour Threshold (ppm):	Not Applicable.
Specific Gravity (H₂O = 1.0):	0.995 (15.6°C / 60°F)
Vapour Pressure:	Not Available.
Vapour Density:	Not Available.
Evaporation Rate:	Not Available.
Boiling Point:	>230°C (>446°F)
Pour Point:	-20°C (-4°F)
Solubility In Water:	Insoluble.
Density:	0.995 g/ml
Coefficient of Water/Oil Dist.:	Not Available.

SECTION IV - FIRE & EXPLOSION DATA

Flammability:	Non-flammable at ambient temperature. Liquid may burn at temperatures above flash point, if exposed to an open flame.
Means of Extinction:	Carbon Dioxide foam, dry chemical. Keep containers cool with water spray. When fighting a fire, treat as a petroleum product, wear protective clothing and avoid breathing fumes. Avoid spreading with water flooding.
Flash Point, ASTM D92:	151.7°C (305°F)
Upper Flammability Limit:	Not Available.
Lower Flammability Limit:	Not Available.
Auto Ignition Temperature:	Not Available.
Combustion Products:	Oxides of carbon, sulfur, and dense smoke.
Explosion Hazard:	None.
Sensitivity to Static Discharge:	None at normal storage temperatures below flash point.

SECTION V - REACTIVITY DATA

Chemical Stability:	Stable.
Incompatibility:	Avoid contact with oxidizing agents.
Reactivity:	No reactivity.
Synergism:	No harmful effects expected (see Incompatibility).
Polymerization:	Will not occur.
Decomposition Products:	Oxides of carbon, sulfur and dense smoke.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry:

- Skin Contact - Frequent or prolonged contact may irritate the skin and cause a skin rash.
- Skin Absorption - No evidence of adverse effects from available information. Prolonged contact may cause mild irritation.
- Eye Contact - Slight irritation to eyes but will not injure eye tissue.
- Inhalation - No inhalation dangers at room temperatures as there are no vapours. If the product is misted, high concentrations of vapour and/or mist may cause irritation, experienced as nasal discomfort and discharge.
- Ingestion - No significant hazard. Minimal toxicity. Ingestion of large amounts may cause intestinal obstruction. If drawn into lungs from swallowing or vomiting, may cause bronchiopneumonia or pulmonary edema.

Effect of Chronic Exposure: Repeated exposure over prolonged periods of time may cause irritation to the skin, respiratory system and eyes. Follow good industrial hygiene practices to avoid exposure.

Effect of Acute Exposure: Breathing mist caused by high temperature or swallowing large quantities may be irritating to skin, respiratory system, mucous membranes and eyes.

Exposure Limits: For oil mists, 10mg/m³ recommended, based on ACGIH-STEL, 5mg/m³ OSHA PEL.

Irritancy of Product:
Eye - mild irritant.
Skin contact - slightly irritating with prolonged and repeated contact.

Sensitization: Repeated or prolonged contact may cause sensitization in some individuals.

Carcinogenicity: This product contains material that has not been listed as a carcinogen or potential carcinogen by either the National Toxicology Program, International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

Teratogenicity/ Mutagenicity: No information is available and no adverse effects are anticipated.

Reproductive Toxicity: No information is available and no adverse effects are anticipated.

SECTION VII - PREVENTATIVE MEASURES

- Personal Protective Equipment:** The selection of personal protective equipment varies depending upon conditions of use. Where prolonged and/or repeated skin and eye contact is likely to occur, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Respiratory protection is not expected, however, where high temperature applications or exposure occurs to misting, wear a NIOSH approved (or equivalent) organic vapour cartridge. Use self-contained breathing apparatus in emergency situations. An Eyewash Station should be near work area.
- Engineering Controls:** No specific requirements under ordinary conditions of use and with adequate ventilation. Local ventilation is recommended if oil mist is present.
- Leak and Spill Procedures:** Eliminate all ignition sources. Isolate hazard area and restrict access. If applicable, wear appropriate breathing apparatus and protective clothing. Use absorbent material to collect and contain small spills for disposal. For large spills remove by mechanical means and place in containers. Wash area with suitable detergent and thoroughly rinse.
- Provincial (State) and Federal regulation** may require that environmental and/or other agencies be notified of an incident. Spills must be cleaned and restored to original condition or to the satisfaction of authorities.
- Waste Disposal:** Dispose of contaminated products and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate local, provincial (state) and federal regulatory agencies to ascertain proper disposal procedures.

SECTION VIII - STORAGE & HANDLING

- Storage Needs:** Store in a cool, well ventilated area, not to exceed 50°C (122°F). Keep away from heat, spark and open flame.
- Handling:** Avoid excess heat, formation of oil mist, breathing vapours and mist from hot oil, and prolonged or repeated contact with skin.
- Sensitivity to Impact:** None, container may puncture and leak or spill.
- Waste Disposal:** Do not puncture or incinerate containers, even when empty. Dispose of empty containers in accordance with local, provincial (state) and federal regulations.

SECTION IX - FIRST AID

- Skin Contact** - Wash well with soap and water. Launder clothes prior to re-use.
- Eye Contact** - Flush with clean, tepid water for at least fifteen (15) minutes. If irritation persists, consult physician.
- Inhalation** - If excessive fumes, remove victim to fresh air. If no relief is obtained, consult physician.
- Ingestion** - Do not induce vomiting. Call physician immediately.

SECTION X - REGULATORY INFORMATION

- Department of Transport:** Not Applicable.
- Toxic Substance Control Act:** Components of this product are listed on the TSCA Inventory.
- CERCLA:** If this product is accidentally spilled, it is not subject to special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.
- SARA Title III:** Under the provisions of Title III, Section 311/312 of the Superfund Amendments and Re-authorization Act, this product is classified into the following hazard category: **NONE**.
- SARA Title 313 Extremely Hazardous Substance:** This product does not contain >1% of any chemical substances listed under SARA Section 313.
- OSHA Hazard Communication Standard 29 CFR 1910.1200:** This product is not classified as hazardous under 29 CFR 1910.1200.
- California Proposition 65:** Chemicals in this product are not listed.

SECTION XI - MSDS PREPARATION

EFFECTIVE: FEBRUARY 1, 1998

Supplier: Power Lubricants Corp.
Product Identifier: 100392
Phone: 1-888-627-5823

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