



SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:	Power Up Engine Maxx
Product Use:	1%, 3%, or 5% additive to conventional lubricants
Restrictions on Use:	Do Not Mix with Alcohol Based or Glycol Based Products
Manufacturer:	WYS Manufacturing Ltd. Bay 7 & 8, 4216 – 54 th Ave. SE Calgary, Alberta T2C 2E3 Canada Phone 1-403-252-2239
Supplier:	Maryn International Ltd. Bay 5 & 6, 4216 – 54 th Ave. SE Calgary, Alberta T2C 2E3 Canada Phone 1-403-252-2239
Emergency Phone Number:	CANUTEC – 24 hr Emergency No. 1-613-996-6666 Business Hour Number 1-403-252-2239 (Monday through Friday 8:00am to 4:30pm MST)
SDS Prepared By:	Maryn Research Phone 1-403-252-2239
Date Revised:	06 OCT 2016

SECTION II: HAZARDS IDENTIFICATION**GHS Classification:**

Carcinogenicity:	No data available.
Reproductive Toxicity:	No data available.
Harmful if inhaled:	No data available.

GHS Label Element:

Signal word :

Warning

Hazard symbol:



Hazard statements:

H332 Harmful if inhaled.
H302 Harmful if swallowed.
H312 Harmful if in contact with skin.

Other hazards:

None

Precautionary statements:

Prevention:

P201 Obtain special instructions before use.
P264 Wash contact area thoroughly after handling.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P411+235: Store at temperatures not exceeding 190°C/374 °F. Keep cool.

Symptoms of Overexposure:

May cause skin irritation and eye irritation. May lead to dermatitis.

Carcinogenicity:

Component: No component of this mixture is Carcinogenic.

SECTION III: COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Ingredients	Concentration %	C.A.S. #
N/A	N/A	N/A

SECTION IV: FIRST AID MEASURES**Ingestion:**

Do not induce vomiting. If victim is conscious and alert, give 2-4 cups of water. Never give anything by mouth to an unconscious person. Call physician immediately.

Skin Contact:

Remove contaminated clothing. Wash well with soap and water for at least 15 minutes. Launder clothes prior to re-use.

Inhalation:

If excessive fumes, remove victim to fresh air. If not breathing, qualified personnel may provide artificial respiration. If no relief is obtained, consult physician.

Eye Contact:

Flush with clean tepid water for 15 minutes keeping eyelids open. If irritation persists, consult physician.

Most important symptoms and effects, both acute and delayed:

Harmful if inhaled. Irritating to respiratory tract and eyes. Breathing mist caused by high temperature or swallowing large quantities may be irritating to skin, respiratory system, mucous membranes and eyes.



SECTION V: FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide foam, dry chemicals.
Unsuitable extinguishing media:	Avoid spreading with water flooding.
Hazardous combustion products:	Oxides of carbon, sulphur, calcium, phosphorous, nitrogen, zinc, chlorine, hydrogen, chloride, hydrogen sulphide and dense smoke.
Special extinguishing methods:	Keep containers cool with water spray.
Special protective equipment and precautions for firefighters:	When fighting fire, treat as petroleum product, wear full protective clothing, including NIOSH approved self-contained breathing apparatus.
Fire and explosion hazards:	Do not cut, weld, or pressurize empty container. Container may explode in heat of fire.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal protection:	Wear suitable protective equipment. Eliminate sources and or potential sources of ignition.
Environmental precautions:	Product has very low solubility in water. Do not flush to sewers, streams or other bodies of water. For disposal, see Section XIII.
Methods for cleaning up:	Absorb on inert material such as sand, earth, vermiculite. Sweep up and collect in a suitable container for disposal. Observe government regulations.
Large spills:	Stop leak if without risk. Dike to contain spill. Pump excess material into suitable container (metal drums, metal tanks, or such).

**SECTION VII: HANDLING AND STORAGE**

Handling: Avoid excess heat, formation of oil mist, breathing vapor's and mist from hot oil and prolonged or repeated contact with skin.

Storage: Store in a cool well-ventilated area. Keep away from heat spark and open flame.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: If used in a way that generates a mist, observe the limits for mineral oil mist.

Component	Exposure Limit (ACGIH)	Exposure Limit (OSHA)	Immediately Dangerous to Life or Health
Mineral Oil Mist	5 mg/m ³ TWA-TLV 10 mg/m ³ STEL-TLV	5 mg/m ³ TWA-PEL Not Established STEL-PEL	2500 mg/m ³

Engineering controls: For normal application, special ventilation is not necessary. If the user's operation generates mist, use local ventilation to keep exposure to airborne contaminants below exposure limits.

Respiratory protection: None required under normal conditions of use. Use approved respirator with dual organic vapour/mist and particulate cartridge if vapour concentration exceeds permissible exposure limit.

Eye protection: Use chemical splash goggles if risk of splashing present.

Skin protection: Use rubber or plastic apron.

Hand protection: Use oil resistant gloves.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Clear, light amber
Odour: Mild petroleum odour
Odour Threshold: Not established at 20°C (68°F)
pH: Not available
Pour Point: -21°C (-6°F)



Boiling Point:	>230°C (>446°F)
Flash Point:	190°C (374°F)
Evaporation Rate:	Not available
Upper Flammability Limit:	Not available
Lower Flammability Limit:	Not available
Density:	1.00 g/mL at 20°C (68°F)
Vapour Pressure:	<1.00 mm Hg at 20°C (68°F)
Vapour Density:	Not available
Solubility in Water:	Insoluble
Autoignition Temperature:	Not available
Partitioning Coefficient:	Not available

SECTION X: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Incompatibility:	Avoid contact with oxidizing agents, reducing agents, strong acids, strong bases, alkali metals, alkaline earth metals and ignition source. Iron, zinc and aluminum avoided at high temperatures
Reactivity:	No reactivity.
Polymerization:	Will not occur.
Decomposition Products:	Oxides of carbon, Sulphur, calcium, phosphorous, nitrogen, zinc, chlorine, hydrogen chloride, hydrogen sulphide and dense smoke.

SECTION XI: TOXICOLOGICAL INFORMATION

Effects of Acute and Chronic Exposure:

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:	Irritating to eyes, but will not injure eye tissue.



Inhalation:	Harmful if inhaled. Causes irritation of the respiratory tract and mucous membrane. If product is misted at elevated temperature, high concentration of vapour and/or mist may cause irritation, experienced as nasal discomfort and discharge.
Ingestion:	May cause gastrointestinal irritation. Ingestion of large amounts may cause intestinal blockage. If drawn into lungs from swallowing or vomiting, may cause bronchopneumonia or pulmonary edema. Repeated ingestion of large doses may damage the liver, as shown in animal studies.
Irritancy:	Irritation to eyes and respiratory tract. Frequent and prolonged contact may irritate skin. If misted, inhalation of mist may cause irritation.
Sensitization:	Repeated or prolonged contact may cause sensitization in some individuals.
Carcinogenicity:	
Component:	No component of this mixture is Carcinogenic
Reproductive Toxicity:	This product contains no materials that have shown adverse reproductive effects in experimental animals.
Teratogenicity and embryo oxicity:	This product contains no materials that have shown adverse teratogenic and embryo-lethal effects in experimental animals.
Mutagenicity:	This product contains no materials that have shown adverse mutagenicity in experimental animals.

**Acute toxicity values:****Oral toxicity of component** N/A**SECTION XII: ECOLOGICAL INFORMATION****Ecotoxicity:**

Components of mixture: LC₅₀ (Daphnia) = above 5647mg/L (24 hr)
LC₅₀ (Fish) = above 520 mg/L (96 hr)
NOEL(Mussels)= above 0.22 mg/L (60 days)
EC₅₀ (Daphnia) = above 0.16 mg/L (48 hr)
EC₅₀ (Algae) = No effect.
This material is not expected to be harmful to aquatic life.

Environmental Fate: Ecological injuries are not known or expected under normal use. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Environmental Effects: This product contains no materials that are considered to be marine pollutants. Avoid releasing into the environment.

SECTION XIII: DISPOSAL CONSIDERATION**RCRA 40 CFR 261 Classification:** Listed**US EPA Waste Number / Classification:** U028

Waste Disposal: Dispose of waste material in compliance with all federal, state, provincial and local regulations. Incinerate in a furnace or bury in an approved landfill where permitted under appropriate federal, provincial and local regulations.

SECTION XIV: TRANSPORT INFORMATION

Department of Transport: Not regulated under DOT
TDG – Canada: Not regulated under TDG



DOT/TDG Proper Shipping Name:	None
DOT/TDG Hazard Class:	None
UN Number:	None required
Packing Group:	None
DOT/TDG Labels: Primary:	None required
Subsidiary:	None required
DOT/TDG Placards:	

SECTION XV: REGULATORY INFORMATION

Controlled Product Regulations Classification (WHMIS): This product has been classified in accordance with the hazard criteria of *the Controlled Products Regulations* and the SDS contains all of the information required by those regulations.

OSHA Hazard Communication Standards 29CFR 1910.1200: This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard, Irritant.

CERCLA: Contains chemicals listed on CERCLA (40CFR 302.4). If this product is accidentally spilled, it is subject to special reporting under requirements of the Comprehensive Environmental Response and Liability Act. We recommend you also contact local authorities to determine if there may be other local reporting requirements.

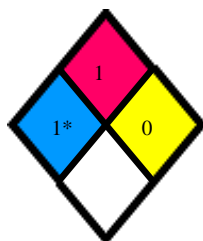
SARA Title III Section 311/312: Acute Health Hazard.

SARA Title III Section 313: This product does contain more than 1% of any of the chemical substances listed under SARA section 313.

RCRA: Contains no chemicals listed on the RCRA (40 CFS 261.33) for hazardous waste

NPRI: Contains no chemicals listed in the **NPRI** under Canadian EPA.

Chemical Inventory: Canada: The ingredients of this product are on the DSL.
United States: The ingredients of this product are on the TSCA

**SECTION XVI: OTHER INFORMATION****HMIS Information****Degree of Hazard**

4= Severe

3= Serious

2= Moderate

1= Slight

0= Minimal

*=Chronic

Revision Information

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