

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Power Up GasMaxx

Product Use: Gasoline Additive

Restrictions on Use: Do Not Mix strong acids or strong oxidizing agents.

Manufacturer: WYS Manufacturing Ltd.
Bay 7 & 8, 4216 – 54th Ave. SE
Calgary, Alberta T2C 2E3
Canada

Phone 1-403-640-7774

Supplier: Awsum Outcomes Inc.
Bay 5 38th Ave. NE
Calgary, Alberta T2E 6R9
Canada

Phone 1-587-353-2000

Emergency Phone Number: CANUTEC – 24 hr Emergency No.
1-613-996-6666 Business Hour Number
1-587-353-2000
(Monday through Friday 8:00am to 4:30pm MST)

and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section X) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Storage temperature: Ambient.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	OSHA		ACGIH		OTHER	
	TWA	STEL	TWA	STEL	TWA	STEL
Naphthalene	10 ppm	N/E	10 ppm (s)	15 ppm	N/E	N/E
Petroleum naphtha	N/E	N/E	N/E	N/E	100 ppm (l)	N/E

(s) – Skin exposure

(l) – Recommended exposure limit

(N/E) – None established

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measure and/or the necessity to use respiratory protective equipment.

Engineering controls:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also

need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will necessary to reduce emissions to acceptable levels.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Liquid

Appearance:

Light, yellow

Odour:

Aromatic

Odor:	Amine-like
pH:	Not determined
Pour Point:	-27°C (-17°F)
Boiling Point:	Not determined
Flash Point:	Closed cup: 100C (212°F) PMCC
Viscosity:	1.5 cSt at 40°C (104°F)
Evaporation Rate:	Not determined
Upper Flammability Limit:	Not determined
Lower Flammability Limit:	Not determined
Specific Gravity:	Not determined.
Density:	0.985g/cm ³ (15.6°C)
Vapour Pressure:	Not determined.
Vapour Density:	Not determined
Solubility in Water:	Insoluble
Autoignition Temperature:	Not determined
Partitioning Coefficient:	Not available
Dispersibility Properties:	Not dispersible in cold water

SECTION X: STABILITY AND REACTIVITY

Chemical Stability:	Material is normally stable at moderately elevated temperatures and pressures.
Conditions to avoid:	Not determined.
Incompatibility:	Strong acids. Strong oxidizing agents.
Polymerization:	Will not occur.
Decomposition Temperature:	Not determined.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION XI: TOXICOLOGICAL INFORMATION

Eye Irritation:	Moderate to strong eye irritant. Based on data from components or similar materials.
Skin Irritation:	Severe skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from

clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying and cracking of the skin.

Respiratory Irritation:

Nose, throat and lung irritant. Based on data from components or similar materials.

Acute Toxicity:

Mixture:

Inhalation of high concentrations may cause headaches, dizziness, nausea, stupor, and other central nervous system effects leading to visual impairment, difficulty breathing and convulsions.

Dermal LD₅₀ (Rat) = > 3000 mg/kg (Monoalkylaryl alkoxyate aminated).

Based on data from components or similar materials.

Oral LD₅₀ (Rat) = > 21000 mg/kg(Monoalkylaryl alkoxyate)

Based on data from components or similar materials.

Petroleum naphtha (component):

Oral LD₅₀ (Rat) = > 5000 mg/kg

Chronic Toxicity:

Repeated overexposure to petroleum naphtha can cause nervous system damage.

Dermal Sensitization:

No data available to indicate product or components may be a skin sensitizer.

Inhalation Sensitization:

No data available to indicate product or components may be a skin sensitizer.

Reproductive Toxicity:

No data available to indicate either the product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity:

No data available to indicated product or any components contained at greater than 0.1% may cause birth defects.

Mutagenicity:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity:

A two-year National Toxicology Program (NTP) study found an increased incidence of tumors of the nose in rats exposed to naphthalene by inhalation. In mice similarly exposed, increase incidences of alveolar/bronchiolar adenomas were

observed. Naphthalene has been classified by the International Agency for Research on Cancer (IARC) as a possible human carcinogen (Group 2B) on the bases of sufficient evidence of carcinogenicity in experimental animals but inadequate evidence in exposed humans

SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity:

Freshwater Fish Toxicity: The Acute LC₅₀ is < 1mg/L based on component data.

Freshwater Invertebrates Toxicity: The Acute LC₅₀ is < 1mg/L based on component data.

Algal Inhibition: Not determined.

Saltwater Fish Toxicity: Not determined.

Saltwater Invertebrates Toxicity: Not determined.

Bacteria Toxicity: Not determined.

Miscellaneous Toxicity: Not determined.

Environmental Fate:

Biodegradation: At least 25% of the components in this product show limited biodegradation based on OECD 301-type test data. At least 25% of the components in this product show moderate biodegradation based on OECD 302-type test data.

Bioaccumulation: 25% or greater of the components potentially bioconcentrate, based on octanol/water coefficients.

Soil Mobility: Not determined.

SECTION XIII: DISPOSAL CONSIDERATION

Waste Disposal: This material, if discarded, is not a hazardous waste under

RCRA Regulation 40CFR 261. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

SECTION XIV: TRANSPORT INFORMATION

Canada:	UN3082 Environmentally hazardous substance, liquid, n.o.s. (Naphthalene, Polyether amine), 9, III, Marine Pollutant (Naphthalene, Polyether amine)
ICAO/IATA I:	Not regulated.
ICAO/IATA II:	UN3082 Environmentally hazardous substance, liquid, n.o.s. (Naphthalene, Polyether amine), 9, III, Marine Pollutant (Naphthalene, Polyether amine)
IMDG:	UN3082 Environmentally hazardous substance, liquid, n.o.s. (Naphthalene, Polyether amine), 9, III, Marine Pollutant (Naphthalene, Polyether amine)
IMDG EMS Fire:	F-A
IMDS EMS Spill:	S-F
IMDS MFAG:	None
MARPOL Annex II:	Not determined.
USCG Compatibility:	Not determined.
U.S. DOT Bulk:	NA1993 Combustible liquid, n.o.s. (Hydrocarbon solvent, Petroleum naphtha), III, Marine Pollutant (Naphthalene, Polyether amine), RQ (Naphthalene)
DOT NAERG:	128
U.S. DOT (Intermediate):	NA1993 Combustible liquid, n.o.s. (Hydrocarbon solvent, Petroleum naphtha), III, Marine Pollutant (Naphthalene, Polyether amine)
U.S. DOT Intermediate NAERG:	128

U.S. DOT Non-Bulk:	Not regulated.
U.S. DOT Non-Bulk NAERG:	Not applicable.
Mexico:	UN3082 Environmentally hazardous substance, liquid, n.o.s. (Naphthalene, Polyether amine), 9, III, Marine Pollutant (Naphthalene, Polyether amine)
Bulk Quantity:	85000 kg, 187391 lbs.
Intermediate Quantity:	11000 kg, 24251 lbs.
Non-Bulk Quantity:	400 kg, 882 lbs.

SECTION XV: Regulatory Information

Canada:	HMIRA Registry number 11925 All components of this material are on the US TSCA Inventory or are exempt.
USA:	Section 8D (Naphthalene) This product requires notification in Japan.
Other TSCA Reg:	All components are in compliance with chemical notification requirements in Australia.
Japan:	All components are in compliance with chemical notification requirement in New Zealand.
Australia:	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
New Zealand:	All components are in compliance in Korea.
Switzerland:	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
Korea:	All components of this product are listed on the Inventory of Existing Chemical Substances in China.
Philippines:	

China: All components of this product are listed on the Taiwan Inventory.

Taiwan: This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

SARA Extremely Hazardous Substances:

Acute Hazard	Yes
Chronic Hazard	Yes
Fire Hazard	Yes
Reactivity Hazard	No

SARA 311 Classifications:

SARA Section 313: 0.2% Naphthalene, CAS no. 91-20-3

CERCLA Hazardous Substances:

Transit Reportable Quantities

Component	Reportable Quantity RQ	Units	Reportable Quantity RQ	Units
Naphthalene	41056	lbs.	18623	kg

California Prop. 65: This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects: <0.05 ppm Benzene, CAS no. 71-43-2, 0.244% Naphthalene, CAS no. 91-20-3

U.S. Fuel Registration: This fuel additive is registered in the United States.

Finnish Registration Number: Not Registered.

Swedish Registration Number: 490090-8

Norwegian Registration Number: Not Registered.

Danish Registration Number: Not Registered.

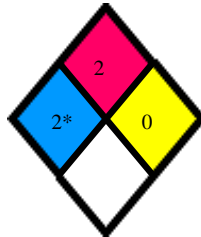
Swiss Registration Number: Not Registered.

Italian Registration Number: Not Registered.

Miscellaneous Regulatory Information: Not determined.

SECTION XVI: OTHER INFORMATION

HMIS Information



Degree of Hazard

4= Severe

3= Serious

2= Moderate

1= Slight

0= Minimal

*=Chronic

US NFPA Codes:

Health	Fire	Reactivity	Special
1	2	0	N/E

(N/E) – None established

Revision Information:

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