SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Identifier:	**Lupromax EA**
Other means of identification:	Additive Oil
Recommended use:	Use as additive for engine
Supplier's Name:	MAGNA CHEMICAL CANADA INC
Address:	1450 Government Road West, Kirkland Lake ON P2N 2E9
Phone:	705-642-3352 or 416-479-9151
Fax:	888-317-1993
Emergency Only:	CANUTEC 24hr Tel: 613-996-6666
Revision date:	15 January 2019

SECTION II – HAZARDS IDENTIFICATION

GHS CLASSIFICATION:
NOT HAZARDOUS
GHS LABEL ELEMENTS SYMBOL(S)
No Pictogram
SIGNAL WORDS:
No signal word
GHS HAZARDS STATEMENT:
PHYSICAL HAZARDS: Not classified as a physical hazard under GHS criteria.
HEALTH HAZARDS: Not classified as health a hazard under GHS criteria.
ENVIRONMENTAL HAZARDS: Not classified as an environmental hazard under GHS criteria.
GHS PRECAUTIONARY STATEMENTS:
Avoid contact with skin and eyes.
If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of soap and water.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name:	Weight %:	CAS#
Proprietary mixture of amine compound and additives which may include extreme pressure agent, detergent-dispersant, anti-oxidant and anti-foaming agent	100	Mixture

SECTION IV – FIRST AID MEASURES

Inhalation
Remove person to an uncontaminated area. Administer oxygen if necessary. If breathing has stopped, administer CPR.
Skin Contact
Remove contaminated clothing. Wash affected area thoroughly with soap and water. Consult a physician if irritation persists.
Eye Contact
Immediately flush with plenty of water for at least 15 minutes. Make sure to flush under eyelids. Consult physician immediately.
Ingestion
DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION V – FIRE FIGHTING MEASURES

Suitable Fire-extinguishing media
Foam (alcohol-resistant foam), powder, and carbon dioxide are effective fire-extinguishing agents.
Specific hazards arising from the chemical
The product is combustible. Water Spray (Fog); Dry Chemical; or Foam may be used where the product is stored.
Special protective actions for firefighters
Firemen should wear self-contained breathing apparatus and protective clothing when fighting chemical fires.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Spill area may be slippery. Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance of selection of personal protective equipments see Chapter 8 of this Safety Data Sheet.

Environmental Precautions

Prevent spills from entering drains or sewers and contact with soil.

Methods and materials for contaminated and cleaning up

For small spills, Mop up, wet vacuum, or flush with water. For large spills, contain spill and clean up using method described in small spill procedure

SECTION VII – HANDLING AND STORAGE

Precautions for safe handling

Do not swallow. Avoid eyes contact. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Conditions for safe storage, including any incompatibilities

Keep away from sources of heat or direct sunlight. Store in a tightly closed container in a cool, dry, well-ventilated area.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

N.A

Appropriate engineering controls measure

Under normal applications, general ventilation is adequate.

Individual protection measure

Protective Gloves

Avoid contact with skin or clothing. Skin contact can be minimized by wearing impervious protective clothing including gloves. Protective clothing made from neoprene, nitrile or PVC is suitable for these applications.

Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.

Eye Protection

Use proper protection – safety glasses as a minimum.

Respiratory Protection

Not required under normal use conditions.

Hygienic Work Practices

Wash hand after use. Do not eat, drink or smoke in the immediate area.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State	Liquid
Color	Dark Amber
Odour	Slight Odour
Odour Threshold	Not applicable
pH	Not applicable
Melting Point	Not applicable
Pour Point (ASTM D5950)	-39ºC
Boiling Point	Not determine
Flash Point	230°C (Cleveland Open Cup)
Evaporation Lose (ASTM D5800)	33.9% (m/m)
Flammability (solid, gas)	Not applicable
Upper explosive limit	Not applicable
Lower explosive limit	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Relative Density	0.89 g/cm^3 ± 0.025
Solubility	Insoluble
Partition coefficient: n-octanol/water	Not applicable

Kinematic Viscosity @ 100ºC (ASTM D445)	7.334 mm^2/s
Auto-ignition Temperature	Not applicable

SECTION X – STABILITY & REACTIVITY

Reactivity/Incompatible materials
React with strong acid and oxidizing materials.
Chemical stability
Stable under normal temperature and pressure.
Possible of hazardous reaction
Data not available.
Conditions to avoid
Heat, contact with incompatible materials, open flame.
Hazardous decomposition products
Burning may produce the oxide of carbons and other substances.

SECTION XI – TOXICOLOGICAL INFORMATION

PRIMARY ROUTES OF EXPOSURE

[X] eye [X] skin [X] oral [ ] inhalation [ ] other

Eyes: Direct contact may cause may cause redness, irritation, and tearing.
Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomizing systems may cause irritation to eyes and respiratory tract.
Ingestion: Expected to have slight acute toxicity by ingestion. Ingestion of this product and subsequent vomiting can result in aspiration of the liquid into the lungs, causing chemical pneumonia and lung damage. Ingestion may cause irritation of the digestive tract, which may result in nausea, vomiting, and diarrhea.
Skin: This product can cause mild, transient skin irritation with short-term exposure. Skin contact with hot material may result in severe burns.
Long-term toxicity: None of the components are listed as CMR* (*Carcinogenic, mutagenic or reproductive toxin).

SECTION XII – ECOLOGICAL INFORMATION

Eco-toxicity: No adverse effects on aquatic organisms are predicted.
Mobility: This product does not contain a significant concentration of water soluble constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.
Persistence and Degradability: There is no persistence or degradation data for any component of this product at this time.
Bio-accumulative Potential: Not expected to bio-accumulate.

SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with existing Federal, State, and local environmental regulation.

SECTION XIV – TRANSPORT INFORMATION

Land (as per ADR classification): Not regulated
This material is not classified as dangerous under ADR regulations
IMDG
This material is not classified as dangerous under IMDG regulations
IATA (Country variations may apply)
This material is not classified as dangerous under IATA regulations

SECTION XV – REGULATORY INFORMATION

No information available for this product.

SECTION XVI – OTHER INFORMATION

H.M.I.S rating: Health - 1, Fire – 0, Reactivity – 1, Protection – B
Where
0 = Insignificant

1 = Slight	A = Safety Glasses
2 = Moderate	B = Safety Glasses & Gloves
3 = Serious	C = Safety Glasses, Gloves & Apron
4 = Severe	D = Face Shield, Gloves & Apron

Replaces edition of 10 March 2016

H.M.I.S: Hazardous Materials Identification System
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: recommended exposure limit
TWA8: The time-weighted average concentration for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed, day after day, without adverse effect.
N.A: Not applicable
N/E: Not establish
N.D: Not determine
C: Ceiling (The concentration that should not be exceeded during any part of the working exposure).