

## SAFETY DATA SHEET

### SECTION I - PRODUCT IDENTIFICATION

<b>Product Identifier:</b>	Vapro MBO-912-OS
<b>Other means of identification:</b>	VCI Corrosion Inhibitor Solvent Oil/Solvent medium viscosity
<b>Recommended use:</b>	VCI corrosion inhibitor for production of anti-rust oil and coating
<b>Supplier's Name:</b>	Magna Chemical Canada Inc.
<b>Address:</b>	1450 Government Road West, Kirkland Lake ON P2N 2E9
<b>Phone:</b>	705 642 3352 or 416 479 9151
<b>Emergency only:</b>	Canutec 24hr Tel: 613 996 6666
<b>Revision Date:</b>	15 January 2019

### SECTION II – HAZARDS IDENTIFICATION

#### GHS CLASSIFICATION:

Flammable Liquids: Category 3

#### GHS LABEL ELEMENTS SYMBOL(S)



#### SIGNAL WORDS:

Warning

#### GHS HAZARDS STATEMENTS:

H226: Flammable liquid and vapour

#### GHS PRECAUTIONARY STATEMENTS:

##### PREVENTION

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### RESPONSE:

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370 + P378: In case of fire: Use carbon dioxide, or Dry chemical powder, or water spray for extinction.

##### STORAGE:

P403 + P235: Store in a well-ventilated place. Keep cool.

## SECTION II – COMPOSITION / INFORMATION ON INGREDIENTS

<u><b>Ingredient Name:</b></u>	<u><b>Weight %:</b></u>	<u><b>CAS#</b></u>
Proprietary Sulfonate	50-60	Mixture
Proprietary mixture of amine carboxylate compound	40-20	Mixture
Aliphatic Mineral Spirit	30-40	64742-88-7

## 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 with soap and water. If irritation persists, call physician.

### **Eye Contact**

Immediately flush with plenty of water for at least 15 minutes. If irritation occurs, get medical assistance.

### **Ingestion**

DO NOT INDUCE VOMITING. Get immediate medical attention.

## SECTION V – FIRE FIGHTING MEASURES

### **Suitable Fire-extinguishing media**

Foam (alcohol-resistant foam), powder, water fog and carbon dioxide are effective fire-extinguishing agents.

### **Specific hazards arising from the chemical**

Liquid evaporate very quickly and forms vapour which can catch fire and burn with explosive violence. Invisible vapour spreads easily and can be set on fire by many sources such as pilot lights, welding equipment and electrical motors and switches.

### **Special protective actions for fire fighters**

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**

Eliminate all ignition sources. Ventilate area. 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, carefully flush with water. For large spills, contain spills. Do not touch or walk through spilled material. Dike ahead of large spills to prevent run-off. Mop, pump or absorb onto suitable absorbent and place in container for reuse, recycle or proper disposal. Flush area with water to eliminate residues.

## SECTION VII – HANDLING AND STORAGE

### **Precautions for safe handling**

Do not swallow. Avoid eyes and skin contact. Wear recommended protective equipment. Use only with adequate ventilation. Wash thoroughly after handling material.

### **Conditions for safe storage, including any incompatibilities**

Keep away from heat, sparks and flame. Handle and store in well-ventilated area and keep containers closed when not in use. Do not get in eyes, on skin, on clothing. Do not swallow. Wash thoroughly after handling.

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

**Naptha Petroleum Distillates**

**RCP-TWA: 197 ppm**

### Appropriate engineering control measure

Under normal applications, general ventilation is adequate.

### Individual protection measure

#### Protective Gloves

Neoprene/ PVC gloves.

#### Eye Protection

Safety glasses with side shields are recommended.

#### Respiratory Protection

Not required under normal use conditions with good general ventilation. Protect against generated mist/ spray back.

#### Hygienic Work Practices

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

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance Physical State</b>	Viscous Liquid
<b>Color</b>	Dark Amber
<b>Odour</b>	Blend
<b>Odour Threshold</b>	0.5-6 mg/m <sup>3</sup>
<b>pH</b>	7±0.5
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Boiling Point</b>	Approx (147°C - 174°C)
<b>Flash Point</b>	41°C
<b>Evaporation Rate (N-BuAcetate =1)</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper explosive limit</b>	6.5%
<b>Lower explosive limit</b>	0.6%
<b>Vapour Pressure</b>	0.6 kPa @ 20°C
<b>Vapour Density</b>	4.5 – 5 (air =1)
<b>Relative Density</b>	0.85 g/cm <sup>3</sup> ± 0.025
<b>Solubility</b>	Insoluble
<b>Partition coefficient: n-octanol/water</b>	Not applicable
<b>Viscosity</b>	Free Flowing Liquid
<b>Auto-ignition Temperature</b>	240°C

## SECTION X – STABILITY & REACTIVITY

**Reactivity/Incompatible materials**

React with strong 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 oxide of carbons and other substances.

## SECTION XI – TOXICOLOGICAL INFORMATION

Naptha Petroleum Distillates

Acute Oral LD 50: >15000 mg/kg

Skin LD50: >3160 mg/kg

**PRIMARY ROUTES OF EXPOSURE**

☒eye    ☒skin    ☒oral    ☐inhalation    ☐other

**Eyes:** May be minimally irritating to the eye. Symptoms may include temporary tearing or stinging.

**Skin:** Prolonged and persistent contact may lead to dermatitis through skin de-fatting.

**Inhalation:** Excessive exposure to mists caused by atomising 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 diarrhoea.

## SECTION XII – ECOLOGICAL INFORMATION

**Eco-toxicity:** There is no data available on the product itself.

**Mobility:** The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment.

**Persistence and Degradability:** There is no persistence or degradation data for any component of this product at this time.

**Bio-accumulative Potential:** This material may accumulate in sediment.

## SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with existing Federal, State and local environmental regulation. Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

## SECTION XIV – TRANSPORT INFORMATION

<b>Proper Shipping Name</b>	Flammable liquid, N.O.S.
<b>IMO Class</b>	3.3
<b>UN OR ID Number</b>	UN 1993
<b>MPA Group</b>	III

## SECTION XV – REGULATORY INFORMATION

No information available for this product.

## SECTION XVI – OTHER INFORMATION

**H.M.I.S rating:** Health - 2, Fire -2, Reactivity - 1, Protection - B

Where

0 = Insignificant

1 = Slight

2 = Moderate

3 = Serious

4 = Severe

A = Safety Glass

B = Safety Glass & Gloves

C = Safety Glass, Gloves & Apron

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).

**RCP:** Reciprocal calculation procedure

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