

**SAFETY DATA SHEET****SECTION I - PRODUCT IDENTIFICATION**

**Product Identifier:** Vapro 849S  
**Other means of identification:** Water soluble VCI liquid  
**Recommended use:** Corrosion inhibitor for corrosion protection of ferrous metals and aluminum  
**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  
**Emergency only:** Canutec 24hr Tel: 613 996 6666  
**Revision date:** 15 January 2019

**SECTION II – HAZARDS IDENTIFICATION****GHS CLASSIFICATION:**

Acute Toxicity, Oral: Category 4  
 Skin Corrosion/irritation: Category 2  
 Serious Eye damage/irritation: Category 2A

**GHS LABEL ELEMENTS SYMBOL(S)****SIGNAL WORDS:**

Warning

**GHS HAZARDS STATEMENTS:**

H302: Harmful if swallowed  
 H315: Causes skin irritation  
 H319: Causes serious eye irritation

**GHS PRECAUTIONARY STATEMENTS:****PREVENTION**

P264: Wash your hands and face thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P280: Wear protective gloves/protective clothing/ eye protection/ face protection

**RESPONSE:**

P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor or physician if you feel unwell.  
 P330: Rinse mouth.  
 P302 + P352: IF ON SKIN: Wash with plenty of soap and water.  
 P321: Specific treatment (see on this label).  
 P332 + P313: If skin irritation occurs: Get medical advice/ attention.  
 P362: Take off contaminated clothing and wash before reuse  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313: If eye irritation persists: Get medical advice/attention.

**SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient Name:	Weight %:	CAS#
Proprietary mixture of Salts of Carboxylate compound	1-20	Mixture
Water	Balance	7732-18-5

## 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 water. If irritation persists, call physician.

### **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**

Product is noncombustible. Water Spray (Fog); Dry Chemical; or Foam may be used where product is stored.

### **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**

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 container tightly closed when not in use. Store in dry, cool, well-ventilated area away from incompatibles.

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

### **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>	Liquid
<b>Color</b>	Colorless to light amber
<b>Odour</b>	Bland
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	9±0.5 at 10% solution
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Approx 0°C
<b>Boiling Point</b>	Approx 100°C
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Similar to water
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper explosive limit</b>	Not applicable
<b>Lower explosive limit</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density</b>	Not applicable
<b>Relative Density</b>	1.05 g/cm <sup>3</sup> ± 0.05
<b>Solubility</b>	Completely soluble in water
<b>Partition coefficient: n-octanol/water</b>	Not applicable
<b>Viscosity</b>	Free Flowing Liquid
<b>Auto-ignition Temperature</b>	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 oxide of carbons and other substances.

## SECTION XI – TOXICOLOGICAL INFORMATION

**Eyes:** Eye irritant. Contact with the eyes may give rise to irritation and stinging

**Skin:** Skin irritant. Exposure to the skin may give rise to irritation. Prolonged and persistent contact may lead to dermatitis through skin de-fatting.

**Inhalation:** Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.

**Ingestion:** Swallowing of significant quantities may cause irritation of mouth and digestive tract, vomiting and diarrhoea.

Long-term toxicity: None of the components are listed as CMR\* (\*Carcinogenic, mutagenic or reproductive toxin).

## 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:** 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

<b>Proper Shipping Name</b>	Not regulated
<b>IMO Class</b>	Not regulated
<b>UN OR ID Number</b>	Not regulated
<b>MPA Group</b>	Not regulated

### SECTION XV – REGULATORY INFORMATION

No information available for this product.

### SECTION XVI – OTHER INFORMATION

**H.M.I.S rating:** Health - 2, Fire – 0, Reactivity – 1, Protection – B

Where

0 = Insignificant

1 = Slight

A = Safety Glass

2 = Moderate

B = Safety Glass & Gloves

3 = Serious

C = Safety Glass, 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).

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