

# SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Identifier:** Vapro 844  
**Other means of identification:** Vapro VCI Powder for Sea Water  
**Recommended use:** Superior corrosion inhibitor for corrosion protection of ferrous metals in sea water  
**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:

Skin Corrosion/irritation: Category 2

Serious Eye damage/irritation: Category 2A

### GHS LABEL ELEMENTS SYMBOL(S)



### SIGNAL WORDS:

Warning

### GHS HAZARDS STATEMENTS:

H315: Causes skin irritation

H319: Causes serious eye irritation

### GHS PRECAUTIONARY STATEMENTS:

#### PREVENTION

P264: Wash your hands and face thoroughly after handling.

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

#### RESPONSE:

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 salt of carboxylic acid	1-35	Mixture
Proprietary mixture of polyphosphate	1-70	Mixture

## SECTION IV – FIRST AID MEASURES

### Inhalation

If fumes or combustion products are inhaled 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**

Induce vomiting if feasible. 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**

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Rinse effected area with water.

## 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

**Occupational Exposure Limits:****Proprietary Amine**

ACGIH TLV 10mg/m<sup>3</sup> (Inhalable) 8-hr TWA,

3 mg/m<sup>3</sup> (Respirable) 8-hr TWA

OSHA OEL 10mg/m<sup>3</sup> (Total dust) 8-hr TWA,

3 mg/m<sup>3</sup> (Respirable) 8-hr TWA

**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**

For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**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>	Powder
<b>Color</b>	White
<b>Odour</b>	Bland (Almost odourless)
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	6-7 @ 1% solution
<b>Melting Point</b>	500°C
<b>Freezing Point</b>	Not applicable
<b>Boiling Point</b>	1500°C
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<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>	1.25±0.05
<b>Solubility</b>	Soluble in water
<b>Partition coefficient: n-octanol/water</b>	Not applicable
<b>Viscosity</b>	Not applicable
<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

Irritation to skin: Cause skin irritation.

Irritation to eye: Cause eye irritation.

Respiratory or skin sensitisation: No sensitisation effects are known or expected.

Germ cell mutagenicity: No genotoxic effects are known or expected.

Carcinogenicity: No carcinogenicity effects are known or expected.

Reproductive toxicity: No reproductive/ developmental toxicity effects are known or expected.

STOT-single exposure: No specific target organ toxicity effects are known or expected.

STOT-repeated exposure: No specific target organ toxicity effects are known or expected.

Aspiration hazard: No aspiration hazard effects are known or expected.

## SECTION XII – ECOLOGICAL INFORMATION

### Eco-toxicity: Environmental Toxicity

The following data have been classified using the criteria adopted by the European Economic Community (EEC) for the aquatic organism toxicity.

48-hr EC50 Daphnia magna	>485 mg/l
96-hr LC50 Rainbow trout	>1000 mg/l
96-hr LC50 Medina & Mysid shrimp	> 1000mg/l

**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

	Land (ADR)	Sea (IMDG)	Air (IATA)
<b>UN Number:</b>	Not regulated	Not regulated	Not regulated
<b>Class:</b>	Not regulated	Not regulated	Not regulated
<b>Subsidiary risk:</b>	Not regulated	Not regulated	Not regulated
<b>Packing Group:</b>	Not regulated	Not regulated	Not regulated
<b>Proper Shipping Name:</b>	Not regulated	Not regulated	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

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).

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