

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

| | |
|---------------------------------------|---|
| Product Identifier: | Vapro 849 HP |
| Other means of identification: | Water Soluble VCI Powder |
| Recommended use: | Superior corrosion inhibitor for wet or dry corrosion protection of ferrous metals and aluminum |
| Manufacturer'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 2

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.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P330: Rinse mouth.

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Name: | Weight %: | CAS# |
|--|------------------|-------------|
| Proprietary mixture of Amine-Carboxylates compound | 100 | N/E |

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 the 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

The product is noncombustible. 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

Personal precautions, protective equipment and emergency procedures. Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust.

Environmental Precautions

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

Methods and materials for contaminated and cleaning up

Spills: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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. Avoid formation of dust and aerosols.

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

Airborne Exposure Limits:

10 mg/m³ as nuisance dust

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use an NIOSH type R or P filter. 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.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

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 | Powder |
| Color | White |
| Odour | Bland |
| Odour Threshold | Not applicable |
| pH | 12 ± 1 @ 1% solution |
| Melting Point | >300 °C |
| Freezing Point | Not applicable |
| Boiling Point | Not applicable |
| Flash Point | Not applicable |
| Evaporation Rate | Not applicable |
| 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 | Not applicable |
| Solubility | Soluble in water |
| Partition coefficient: n-octanol/water | Not applicable |
| Viscosity | Not applicable |
| 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 oxide of carbons and other substances.

SECTION XI – TOXICOLOGICAL INFORMATION

Acute Toxicity Estimate of mixture (ATE_{mix}): Oral (Rat) 1610 mg/kg

Irritation to skin: Cause skin irritation.

Irritation to eye: Cause eye irritation.

Respiratory or skin sensitization: No sensitization 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: 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.

Bioaccumulative 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) |
|------------------------------|---------------|---------------|---------------|
| UN Number: | Not regulated | Not regulated | Not regulated |
| Class: | Not regulated | Not regulated | Not regulated |
| Subsidiary risk: | Not regulated | Not regulated | Not regulated |
| Packing Group: | Not regulated | Not regulated | Not regulated |
| Proper Shipping Name: | 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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