# SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

| | |
|---|---|
| **Product Identifier:** | Vappro 849-SF |
| **Other means of identification:** | Silicate Free VCI Powder |
| **Recommended use:** | Superior corrosion inhibitor for wet or dry corrosion protection of Heat Recovery Steam Generator and High Pressure Boiler |
| **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:** | Canutec 24hr Tel: 613 996 6666 |
| **Revision Date:** | 15 January 2019 |

## SECTION II – HAZARDS IDENTIFICATION

**GHS CLASSIFICATION:**

Not a dangerous substance according to GHS.

## SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Name: | Weight %: | CAS# |
|---|---|---|
| Proprietary mixture of Salts of carboxylate 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 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**

Water spray, 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**

Avoid formation of dust and aerosols. 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**

10 mg/m$^3$ as nuisance dust

**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

| | |
|---|---|
| **Appearance Physical State** | Powder |
| **Color** | White |
| **Odour** | Blend |
| **Odour Threshold** | Not applicable |
| **pH** | 7±0.5 @ 1% solution |
| **Melting Point** | Not applicable |
| **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** | Completely 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 XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION**

**Toxicity**
Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 484 mg/l - 96 h

**Persistence and degradability**
Biodegradability Result: 84 % - Readily biodegradable.
Result: 90 % - Readily biodegradable.
Method: OECD Test Guideline 301

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**Other adverse effects**
No data available

## 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 - 1, 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).