

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

Product Identifier: Vapro 9868-AR
Other means of identification: VCI Rust Inhibitor
Recommended use: Corrosion protection coating for all metals
Manufacturer's Name: Magna Chemical Canada Inc.
Address: 1450 Government Road West, Kirkland Lake ON P2N 2E9
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Emergency Only: Canutec 24hr Tel: 613-996-6666
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SECTION II – HAZARDS IDENTIFICATION**GHS CLASSIFICATION:**

Flammable aerosols: Category 1

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

Danger

GHS HAZARDS STATEMENT:

H222: Extremely flammable aerosol.

GHS PRECAUTIONARY STATEMENTS:**PREVENTION**

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

P211: Do not spray on an open flame or other ignition source.

P251: Pressurised container: Do not pierce or burn, even after use.

STORAGE:

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Name: | Weight %: | CAS# |
|---------------------------------------|------------------|-------------|
| Proprietary mixture of amine compound | 30-40 | N/E |
| Liquefied Petroleum Gas | 40-50 | N.A. |

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. Make sure to flush under eyelids. Consult physician immediately.

Ingestion

Unlikely due to being in aerosol form. Should actual ingestion occur, 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

Containers can rupture violently from heat-developed pressure. Contents extremely flammable and under pressure. In addition, when liquid or vapor comes into contact with flames or red hot metal; products of combustion will be created.

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

Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned.

Environmental Precautions

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

Methods and materials for contaminated and cleaning up

A product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill. Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

SECTION VII – HANDLING AND STORAGE

Precautions for safe handling

Avoid prolonged or repeated skin contact. Avoid breathing vapors.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed when not in use. Store in area below 40°C. Do not incinerate (burn) containers. Always replace over cap when not in use.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

LP Gas

NIOSH REL: TWA 1800 mg/m³

OSHA PEL: TWA 1800 mg/m³

Appropriate engineering control measure

Under normal applications, general ventilation is adequate.

Individual protection measure

Protective Gloves

For brief contact, no precaution other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing such as Sol-vex 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

| | |
|----------------------------------|---------|
| Appearance Physical State | Aerosol |
| Color | Brown |
| Odour | Bland |

| | |
|---|---|
| Odour Threshold | Not applicable |
| pH | Not applicable |
| Melting Point | Not applicable |
| Freezing Point | Approx 0°C |
| Boiling Point | 150°C -200°C (Chemical) > -18°C (Propellant) |
| Flash Point | Minimum 38°C (Chemical) -105 to -60°C (Propellant) |
| Evaporation Rate | Not applicable |
| Flammability (solid, gas) | Flammable Gas |
| Upper explosive limit | 9.5% |
| Lower explosive limit | 1.9% |
| Vapour Pressure | Not applicable |
| Vapour Density | 1.4 – 2.7 (air = 1) |
| Relative Density | 0.775 g/cm ³ ± 0.025 |
| Solubility | Insoluble |
| Partition coefficient: n-octanol/water | Not applicable |
| Viscosity | Free Flowing Liquid |
| 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, red hot metal.

Hazardous decomposition products

Burning may produce oxide of carbons and other substances.

SECTION XI – TOXICOLOGICAL INFORMATION

PRIMARY ROUTES OF EXPOSURE

☒eye ☒skin ☒oral ☐inhalation ☐other

Eyes: Liquid or vapor may cause redness, burning, tearing, swelling and / or pain.

Skin: Frequent or prolonged contact can result in defatting and drying of the skin which may result in skin irritation to dermatitis (rash).

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: Due to being an aerosol, products does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth and gastrointestinal tract, resulting in vomiting and / or elaps.

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

SECTION XII – ECOLOGICAL INFORMATION

Eco-toxicity: Oil film may interfere with respiratory surfaces (leaves, gills) on contact and might disrupt surface processes.

Mobility: The oil is poorly absorbed into soils or sediments and will form a film on soil or surface water. Propellant gases will partition to the atmosphere.

Persistence and Degradability: The oil is slowly biodegradable. The inorganic solids are natural minerals. Some of the propellant is persistent in water but will normally have evaporated.

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

| | |
|----------------------|----------|
| Proper Shipping Name | Aerosols |
| IMO Class | 2.1 |
| UN OR ID Number | UN 1950 |
| MPA Group | II |

SECTION XV – REGULATORY INFORMATION

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| | Japan Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION XVI – OTHER INFORMATION

H.M.I.S rating: Health - 2, Fire - 3, 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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