

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

Product Identifier:	Vapro OP 529
Other means of identification:	VCI Corrosion Inhibitor against H ₂ S, SO ₂ , & O ₂
Recommended use:	To combat Hydrogen Sulfide, Sulfur Dioxide, Carbon Dioxide and Oxygen commonly found in crude oil processing equipment, pipelines, refinery and petrochemical plant equipment and system
Supplier's Name:	Magna Chemical Canada Inc.
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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 II – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name:</u>	<u>Weight %:</u>	<u>CAS#</u>
Proprietary mixture of Corrosion Inhibitor	50 - 70	Mixture
water	B/L	7732-18-5

SECTION IV – FIRST AID MEASURES

Inhalation

Remove person to an uncontaminated area. Administer oxygen if necessary. If a cough or other respiratory symptoms develop, consult medical personnel. If breathing has stopped, administer CPR.

Skin Contact

Remove contaminated clothing. Wash affected area with soap and water. If redness, itching or a burning sensation develops, get medical attention.

Eye Contact

Immediately flush with plenty of water for at least 15 minutes. Make sure to flush under eyelids. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

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

Recover spilled material if possible. If unable to recover, then proceed with appropriate cleanup methods. Absorb with materials such as: Clay. Sand. Sawdust. Vermiculite. Collect in suitable and properly labeled containers. Water may be used for final cleaning of affected area. Wash water should be disposed of in accordance with local regulations

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:

None established.

Appropriate engineering control measure

Under normal applications, general ventilation is adequate.

Individual protection measure

Protective Gloves

Neoprene or Nitrile 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

Eyewash station and safety shower in work area.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State	Liquid
Color	Light Amber
Odour	Characteristic
Odour Threshold	Not applicable
pH	9.5 – 11 (1% solution)
Melting Point	Not applicable
Freezing Point	Approx 0°C (Water)
Boiling Point	Approx 100°C (Water)
Flash Point	Not applicable
Evaporation Rate	Similar to water
Flammability (solid, gas)	Not applicable
Upper explosive limit	Not applicable
Lower explosive limit	Not applicable
Vapor Pressure	Not applicable
Vapour Density	Not applicable
Relative Density	1.03 g/cm ³ ± 0.05
Solubility	Completely soluble in water
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.

Hazardous decomposition products

Burning may produce oxide of carbons and other substances.

SECTION XI – TOXICOLOGICAL INFORMATION

EYE: May cause slight temporary eye irritation.

SKIN: Brief contact is essentially non irritation to skin. Prolonged contact may cause slight skin irritation with local redness. Product may stick to skin causing irritation upon removal.

INHALATION: With good ventilation, single exposure is not likely to be hazardous. In poor ventilated areas, vapours or mists may accumulate and cause respiratory irritation. Signs and symptoms of excessive exposure may include: Headache. Nausea and/or vomiting.

INGESTION: Swallowing of small amounts not likely to cause serious discomfort. 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 Federal, State and local environmental regulation.

SECTION XIV – TRANSPORT INFORMATION

Land (as per ADR classification): Not regulated

This material is not classified as dangerous under ADR regulations

IMDG

This material is not classified as dangerous under IMDG regulations

IATA (Country variations may apply)

This material is not classified as dangerous under IATA regulations

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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