

SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Identifier:	Vappro Magna 119
Other means of identification:	Magna Label and adhesive remover
Recommended use:	Label, adhesive, varnish and paint remover
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:

Acute Toxicity, Oral: Category 4
Acute Toxicity, Inhalation: Category 4
Skin Corrosion/irritation: Category 2
Serious Eye damage/irritation: Category 2A
Carcinogenicity: Category 2

GHS LABEL ELEMENTS SYMBOL(S)



SIGNAL WORDS:

Warning

GHS HAZARDS STATEMENTS:

H302: Harmful if swallowed
H332: Harmful if inhaled
H315: Causes skin irritation
H319: Causes serious eye irritation
H351: Suspected of causing cancer

GHS PRECAUTIONARY STATEMENTS: PREVENTION

P201: Obtain special instruction before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
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.

P303 + P308: If exposed or concern: Get medical advice/attention.

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.

STORAGE:

P405: Store locked up.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS		
<u>Ingredient Name:</u>	<u>Weight %:</u>	<u>CAS#</u>
Dichloromethane (Methylene Chloride)	75-85	74-87-3

SECTION IV – FIRST AID MEASURES
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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

DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION V – FIRE FIGHTING MEASURES

Suitable Fire-extinguishing media

Use dry chemical, carbon dioxide, foam, or water spray. Use water spray to keep fire-exposed containers cool.

Specific hazards arising from the chemical

Toxic gases and vapors (such as hydrogen chloride, phosgene and carbon monoxide) may be released in a fire involving methylene chloride.

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

Remove sources of ignition. Reduce vapours with water spray. Evacuation of surrounding area may be necessary for large spills. Shut off ventilation system if needed. Wear appropriate personal protective equipment recommended in Section VIII of the SDS. Ventilate closed spaces before entering. Stop leak if possible without personal risk. Most vapours are heavier than air and will spread along ground and collect in low or confined areas (drains, basements, tanks). Keep unnecessary people away, isolate hazard area and deny entry. Keep out of water supplies and sewers.

Environmental Precautions

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

Methods and materials for contaminated and cleaning up

Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle, or proper disposal. Rinse effected area with water.

SECTION VII – HANDLING AND STORAGE

Precautions for safe handling

Most vapours are heavier than air and will spread along ground and collect in low or confined areas (drains, basements, tanks). Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Keep away from

heat, sparks and flame. Ground any equipment used in handling. Use non-sparking tools and equipment. All energized electrical equipment must be designed in accordance with the electrical classification of the area.

Conditions for safe storage, including any incompatibilities

Store and handle in accordance with all current regulations and standards. Keep container tightly closed. Store in a cool, dry area. Store in a well-ventilated area. Do not enter confined spaces without following proper confined space entry procedures. Do not enter confined spaces unless adequately ventilated. Avoid heat, flames, sparks and other sources of ignition.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Dichloromethane (Methylene Chloride)

OSHA PEL 50 ppm

OSHA STEL 125 ppm

ACGIH 50 ppm

Appropriate engineering control measure

Provide adequate local ventilation to maintain vapor concentration below TLV.

Individual protection measure**Protective Gloves**

Neoprene gloves.

Eye Protection

Safety glasses with side shields are recommended.

Respiratory Protection

Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required an appropriate NIOSH approved respiration for organic vapor should be worn.

Dichloromethane (Methylene Chloride) (Immediately Dangerous to Life/ Health (IDLH)) = 2000 ppm

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	Gel
Color	Colorless to white
Odor	Sweetish
Odor Threshold	205 ppm to 337 ppm Dichloromethane (Methylene Chloride)
pH	7±0.5
Melting Point	Not applicable
Freezing Point	-59.4°C
Boiling Point	40°C
Flash Point	Not applicable
Evaporation Rate	71 (Ether =100)
Flammability (solid, gas)	Not applicable

Upper explosive limit	23%
Lower explosive limit	13%
Vapor Pressure	350 mm Hg
Vapor Density	2.93 (Air = 1.02)
Relative Density	1.2 g/cm ³ ± 0.05
Solubility	Insoluble in water
Partition coefficient: n-octanol/water	Log Kow = 1.25 Dichloromethane (Methylene Chloride)
Viscosity	Slight Viscous Gel
Auto-ignition Temperature	556°C Dichloromethane (Methylene Chloride)

SECTION X – STABILITY & REACTIVITY

Reactivity/Incompatible materials

React with strong oxidizers; caustics; chemically-active metals such as aluminum, magnesium powders, potassium and sodium; concentrate nitric acid.

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 and direct sunlight.

Hazardous decomposition products

It can be decomposed by contact with hot surfaces and open flame, and then yield toxic fumes that are irritating and give warning of their presence. When heated to decomposition it emits highly toxic fumes of phosgene and /hydrogen chloride.

SECTION XI – TOXICOLOGICAL INFORMATION

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. AFFECTS CENTRAL NERVOUS SYSTEM, LIVER, CARDIOVASCULAR SYSTEM, AND BLOOD. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

Acute Oral (LD 50)

Inhalation (LC50)

Dichloromethane
(Methylene Chloride)

1500-2500 mg/kg (Rat)

7 Hrs > 1000 ppm (Rat)

PRIMARY ROUTES OF EXPOSURE

☒eye ☒skin ☒oral ☒inhalation ☐other

Eyes: Classified as a serious eye irritant. Contact can produce pain, inflammation and temporal eye damage.

Skin: Classified as a skin irritant. Causes irritation, redness and pain. Prolonged contact can cause burns. Liquid degreases the skin. May be absorbed through skin.

Inhalation: Causes irritation to respiratory tract. Has a strong narcotic effect with symptoms of mental confusion, light-headedness, fatigue, nausea, vomiting and headache. Causes formation of carbon monoxide in blood which affects cardiovascular system and central nervous system. Continued exposure may cause increased light-headedness, staggering, unconsciousness, and even death.

Ingestion: Low toxicity if small amount swallowed, however larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting.

Long-term toxicity: Dichloromethane (Methylene Chloride) is listed by IARC, NTP, and OSHA as classification 2B, possible human carcinogen. Laboratory animals exposed to high levels of dichloromethane in lifetime studies have developed cancer.

MUTAGENIC DATA: Not established.

REPRODUCTIVE TOXICITY: Not established.

SECTION XII – ECOLOGICAL INFORMATION

Eco-toxicity: LC50 Pimephales promelas Rafinesque (fathead minnows) = 310 mg/l/96 hr

LC50 LEPOMIS MACROCHIRUS (BLUEGILL) = 230 mg/l/24 hr

Mobility: The product is expected to have very high mobility in soil. It is adsorbed strongly to peat moss, less strongly to clay, only slightly to dolomite limestone, and not at all to sand.

Persistence and Degradability: Dichloromethane is reported to completely biodegrade under aerobic conditions with sewage seed or activated sludge between 6 hours to 7 days. Dichloromethane exhibited 86-92% conversion to carbon dioxide (CO₂) after acclimation using anaerobic digestion in wastewater. Under simulated conditions of a landfills, dichloromethane was degraded at a rate of 0.6 mg/cu m.hr.

Bio-accumulative Potential: The potential for bioaccumulation in aquatic organisms is low.

SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with existing Federal, State and local environmental regulation.

SECTION XIV – TRANSPORT INFORMATION	
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Proper Shipping Name	Dichloromethane (Mixture)
IMO Class	6.1
UN OR ID Number	1593
MPA Group	III

SECTION XV – REGULATORY INFORMATION
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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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