

Product name: CARBOWET® GA-100

SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations
(SOR/2015-17)

1. Identification

Product identifier:
CARBOWET® GA-100**Chemical name:**
Blend of ethoxylated alcohols and acetylene diol**Recommended use of the chemical and restrictions on use****Recommended use:** Industrial use
Recommended restrictions: None known.**Manufacturer/Importer/Distributor Information**

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2. Hazard(s) identification

Hazard Classification
According to Hazardous Products Regulations**Health Hazards**

Acute toxicity (Oral)	Category 4
Serious Eye Damage/Eye Irritation	Category 1
Skin sensitizer	Category 1B

Environmental Hazards

Acute hazards to the aquatic environment	Category 2
Chronic hazards to the aquatic environment	Category 3

Label Elements

Product name: CARBOWET® GA-100

Hazard Symbol:



Signal Word: Danger

Hazard Statement: Harmful if swallowed.
Causes serious eye damage.
May cause an allergic skin reaction.
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

Response: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Physical Hazards Not
Otherwise Classified:**

**Health Hazards Not
Otherwise Classified:**

3. Composition/information on ingredients

Chemical name:
Blend of ethoxylated alcohols and acetylene diol

Product name: CARBOWET® GA-100
Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	No data available.	126-86-3	10 - 30%
Alcohols C14-15, ethoxylated	No data available.	68951-67-7	10 - 30%
Alcohols, C9-11-branched and linear, ethoxylated	No data available.	160901-09-7	10 - 30%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures
Description of necessary first-aid measures

General information:	Immediately remove contaminated clothing.
Inhalation:	Ensure supply of fresh air. Seek medical advice if symptoms occur.
Skin Contact:	In case of contact with skin wash off with soap and water. Seek medical advice if symptoms occur.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
Ingestion:	Thoroughly clean the mouth with water Seek medical advice if symptoms occur.
Personal Protection for First-aid Responders:	Do not inhale explosion and/or combustion gases, Use self-contained breathing apparatus and wear protective suit

Most important symptoms/effects, acute and delayed

Symptoms:	Risk of serious damage to eyes.skin irritation possible
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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5. Fire-fighting measures

General Fire Hazards:	Collect contaminated firefighting water separately, must not be discharged into the drains.
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Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: High volume water jet.

Specific hazards arising from the chemical:	In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded
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Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No specific precautions.
Special protective equipment for fire-fighters:	Do not inhale explosion and/or combustion gases Use self-contained breathing apparatus and wear protective suit

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment.
Methods and material for containment and cleaning up:	Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with the regulations.
Environmental Precautions:	Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	No data available.
Safe handling advice:	Provide good ventilation of working area (local exhaust ventilation if necessary).Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.
Contact avoidance measures:	No data available.
Hygiene measures:	Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately.

Storage

Safe storage conditions:	Keep container tightly closed in a cool, well-ventilated place.Keep away from direct sunlight. Protect from frost.Do not store with acids or alkalies Do not store together with oxidizing agents.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters
Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate Engineering Controls	No data available.
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Individual protection measures, such as personal protective equipment

Eye/face protection:	Tightly fitting safety goggles
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Skin Protection

Hand Protection: Additional Information: gloves made of chloroprene (CR, e.g. Neoprene), gloves made of nitril (NBR)

Other: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures: Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately.

9. Physical and chemical properties
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Appearance

Physical state:	liquid
Form:	liquid
Color:	Pale yellow
Odor:	Characteristic
Odor Threshold:	not measured
pH:	5.5 (1 g/l, 25 °C) in Water
Freezing point:	not measured
Boiling Point:	96 °C
Flash Point:	118 °C
Evaporation Rate:	not measured
Flammability (solid, gas):	not measured
Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Vapor pressure:	22.93 hPa (21 °C)
Vapor density (air=1):	not measured
Density:	0.99 g/cm ³ (25 °C)
Relative density:	not measured
Solubility in Water:	not measured
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	not measured
Dynamic viscosity:	not measured
Other information	
Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Minimum ignition temperature:	not measured
Metal Corrosion:	Does not corrode metal.

10. Stability and reactivity

Reactivity: see section "Possibility of hazardous reactions"

Chemical Stability: The product is stable under normal conditions.

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Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling.
Conditions to avoid:	Direct sunlight Freezing.
Incompatible Materials:	Oxidizing agents. acids alkalines
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	Information on effects are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product:	ATEmix: 1,334 mg/kg ATEmix : 1,000 mg/kg
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Dermal

Product:	No data available. Not classified for acute toxicity based on available data. No data available.
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Specified substance(s):

2,4,7,9-Tetramethyldec-5-yne-4,7-diol	LD 50 (Rabbit): > 5,000 mg/kg
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Inhalation

Product:	No data available. Not classified for acute toxicity based on available data. No data available.
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Specified substance(s):

2,4,7,9-Tetramethyldec-5-yne-4,7-diol	LC 50 (Rat): > 20 mg/l
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Repeated dose toxicity

Product:	No data available.
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Skin Corrosion/Irritation

Product: No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

Germ Cell Mutagenicity**In vitro**

Product: No data available.

Specified substance(s):

2,4,7,9-Tetramethyldec-5-yne-4,7-diol
Ames test (OECD 471): negative Own study
Chromosomal aberration (OECD 473): negative Own study
gene mutation test (OECD 476): negative Own study

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: Not classified

Other effects: No data available.

12. Ecological information**Ecotoxicity:****Acute hazards to the aquatic environment:****Fish**

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Chronic hazards to the aquatic environment:

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Fish**Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log Kow)****Product:** Log Kow: not measured**Mobility in soil:**

No data available.

Known or predicted distribution to environmental compartments

2,4,7,9-Tetramethyldec-5-yne-4,7-diol No data available.

Alcohols C14-15, ethoxylated No data available.

Alcohols, C9-11-branched and linear, ethoxylated No data available.

Other adverse effects:

Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations**Disposal methods:**

In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging:

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. Transport information**Domestic regulation****TDG**

Not regulated as a dangerous good

International Regulations**UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

Product name: CARBOWET® GA-100

Version #:	1.2
Further Information:	No data available.
Revision Information:	Changes since the last version are highlighted in the margin. This version replaces all previous versions.
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