

SAFETY DATA SHEET

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

1. Identification

Product identifier:
CARBOWET® GA-211

Chemical name:
Ethoxylated alcohol

Recommended use of the chemical and restrictions on use

Recommended use: Surfactant
Recommended restrictions: Not determined.

Manufacturer/Importer/Distributor Information

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Emergency : 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)
+1 613 996 6666 (CANUTEC – For Transportation Emergencies Only)
+1 973 929 8060 (Product Regulatory Services)

2. Hazard(s) identification

Hazard Classification According to Hazardous Product Regulations

Health Hazards

Serious Eye Damage/Eye Irritation	Category 1
Skin sensitizer	Category 1

Label Elements

Hazard Symbol:



Signal Word:	Danger
Hazard Statement:	May cause an allergic skin reaction. Causes serious eye damage.
Precautionary Statements	
Prevention:	Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/eye protection/face protection.
Response:	IF ON SKIN: Wash with plenty of water. 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. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Disposal:	Dispose of contents/ container to an approved waste disposal plant.
Physical Hazards Not Otherwise Classified:	None.
Health Hazards Not Otherwise Classified:	None.

3. Composition/information on ingredients

Chemical name:
Ethoxylated alcohol

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	Acetylenic Diol	126-86-3	>=30 - <50%

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

Composition Comments: Surfactant The remaining components are trade secret. Contains no other components or impurities which will influence the classification of the product.

4. First-aid measures

Description of necessary first-aid measures

General information:	Seek medical advice. If breathing is irregular or stopped, administer artificial respiration.
Inhalation:	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration.
Skin Contact:	Wash off immediately with soap and plenty of water. Wash off immediately with plenty of water for at least 15 minutes. Wash with soap and water. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Take off contaminated clothing and shoes immediately.

Eye contact:	Rinse immediately with plenty of water for at least 15 minutes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.
Ingestion:	Prevent aspiration of vomit. Turn victim's head to the side. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position.
Personal Protection for First-aid Responders:	Use personal protective equipment., Wear self-contained breathing apparatus for firefighting if necessary.

Most important symptoms/effects, acute and delayed

Symptoms:	Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.
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5. Fire-fighting measures**Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media:	Carbon Dioxide. Dry chemical. Dry sand. Limestone powder Alcohol resistant foam.
Unsuitable extinguishing media:	No data available.

Specific hazards arising from the chemical:	Incomplete combustion may form carbon monoxide. Burning produces noxious and toxic fumes.
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Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Evacuate personnel to safe areas.
Accidental release measures:	If possible, stop flow of product.
Methods and material for containment and cleaning up:	Place in appropriate chemical waste container. Call Emergency Response number for advice. Approach suspected leak areas with caution.
Environmental Precautions:	Construct a dike to prevent spreading.

7. Handling and storage**Handling**

Technical measures (e.g. Local and general ventilation):	No data available.
Safe handling advice:	Use personal protective equipment. Use only in well-ventilated areas. Avoid contact with eyes. Avoid breathing vapors and/or aerosols.
Contact avoidance measures:	No data available.
Hygiene measures:	Provide readily accessible eye wash stations and safety showers.
Storage	
Safe storage conditions:	Keep away from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

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

Eye/face protection:	Chemical resistant goggles must be worn.
Skin Protection	
Hand Protection:	Additional Information: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Additional Information: Neoprene gloves, Nitrile rubber.
Other:	No specific recommendations. Long sleeve shirts and trousers without cuffs.
Respiratory Protection:	Not required for properly ventilated areas. Wear appropriate respirator when ventilation is inadequate.
Hygiene measures:	Provide readily accessible eye wash stations and safety showers.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	No data available.
Odor:	No data available.
Odor Threshold:	No data available.
pH:	6.5
Freezing point:	No data available.
Boiling Point:	100 °C
Flash Point:	> 101 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.

Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	21.251 hPa (21 °C)
Vapor density (air=1):	No data available.
Density:	0.98 g/cm ³
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	No data available. 107 mm ² /s (25 °C)
Dynamic viscosity:	105.0 mPa.s (25.0 °C)
Other information	
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Minimum ignition temperature:	No data available.
Metal Corrosion:	No data available.

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions"
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible Materials:	Reactive metals (e.g. sodium, calcium, zinc etc.). Materials reactive with hydroxyl compounds. Dehydrating Agents. Oxidizing agents.
Hazardous Decomposition Products:	Carbon Monoxide. Carbon Dioxide. Aldehydes. Flammable hydrocarbon fragments. Heating above 65 °C in the presence of strong base can liberate flammable hydrocarbon fragments. Carbon oxides

11. Toxicological information

Information on likely routes of exposure

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

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
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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: No data available.No data available.

Specified substance(s):

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

Dermal

Product: No data available.No data available.

Specified substance(s):

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

Inhalation

Product: No data available.No data available.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: Mildly Irritating

Serious Eye Damage/Eye Irritation

Product: Severe eye irritation

Respiratory or Skin Sensitization

Product: Component of this product has been found to cause mild skin sensitization in a Local Lymph Node Assay (LLNA).

Carcinogenicity

Product: No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data is available on the product itself.

Specific Target Organ Toxicity - Single Exposure**Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No data available.**Other effects:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data is available on the product itself.**Aquatic Invertebrates****Product:** No data is available on the product itself.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data is available on the product itself.**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: No data available.**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.

Other adverse effects: Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations

Disposal methods: Contact supplier if guidance is required.

Contaminated Packaging: Dispose of container and unused contents in accordance with federal, state, and local requirements.

14. Transport information

Domestic regulation

TDG

Not regulated as a dangerous good

Remarks : Not dangerous according to transport regulations.

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. Regulatory information

Canada Federal Regulations

List of Toxic Substances (CEPA, Schedule 1)

Not Regulated

Export Control List (CEPA 1999, Schedule 3)

Not Regulated

National Pollutant Release Inventory (NPRI)

Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements

NPRI PT5 4-Methylpentan-2-one

Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)

NPRI Not Regulated

Greenhouse Gases

Not Regulated

Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements

Not Regulated

Controlled Drugs and Substances Act

CA CDSI Not Regulated

CA CDSII Not Regulated

CA CDSIII Not Regulated

CA CDSIV	Not Regulated
CA CDSV	Not Regulated
CA CDSVII	Not Regulated
CA CDSVIII	Not Regulated

Precursor Control Regulations

Not Regulated

Inventory Status:

US TSCA Inventory:	Included on Inventory.
Canada DSL Inventory List:	Included on Inventory.

16. Other information, including date of preparation or last revision

Issue Date:	03/15/2019
Revision Date:	No data available.
Version #:	1.0
Further Information:	No data available.

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