

SAFETY DATA SHEET

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

1. Identification

Product identifier:
SURFYNOL® DF-62

Recommended use of the chemical and restrictions on use

Recommended use: Industrial Use
Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Canada Inc.
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Canada

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24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)
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
Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements

Physical Hazards Not Otherwise Classified: None.

Health Hazards Not Otherwise Classified: None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy-		9003-13-8	100%
Poly(oxy-1,2-ethanediyl), α -hydro- ω -[[[(9Z)-1-oxo-9-octadecen-1-yl]oxy]-, ether with D-glucitol (6:1)	thoxylated sorbital acid	57171-56-9	5%
Silsesquioxanes, methyl, ethoxy terminated, reaction products with polypropylene glycol		115341-02-1	13%
Distillates, petroleum, hydrotreated light		64742-47-8	30%

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

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

4. First-aid measures

Description of necessary first-aid measures

Inhalation: If breathing is irregular or stopped, administer artificial respiration.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

Ingestion: Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting.

Personal Protection for First-aid Responders: Avoid contact with skin.

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: Treat symptomatically.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: 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. Downwind personnel must be evacuated. May generate sulfur dioxide.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Avoid contact with skin.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing.

Accidental release measures: Open enclosed spaces to outside atmosphere.

Methods and material for containment and cleaning up: Call Emergency Response number for advice. Approach suspected leak areas with caution.

Environmental Precautions: No data available.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): No data available.

Safe handling advice: Wash hands at the end of each workshift and before eating, smoking or using the toilet. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use only in well-ventilated areas. Avoid contact with eyes. Avoid breathing vapors and/or aerosols.

Contact avoidance measures: No data available.

Hygiene measures: No data available.

Storage

Safe storage conditions: 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.

Individual protection measures, such as personal protective equipment

Eye/face protection: Chemical resistant goggles must be worn.

Skin Protection

Hand Protection: Additional Information: Neoprene gloves, Impervious gloves

Other: Long sleeve shirts and trousers without cuffs. Impervious clothing

Respiratory Protection: Wear appropriate respirator when ventilation is inadequate.

Hygiene measures: No data available.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	light yellow
Odor:	Slight, ether-like
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	224 °C
Flash Point:	100.56 °C Closed Cup
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: 7.4 hPa (21 °C)

Vapor density (air=1): No data available.

Density: 0.95 g/cm³ (21 °C)

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: 55.2 mm²/s (40 °C)

Dynamic viscosity: 52.44 mPa.s (40 °C)

Other information

Explosive properties:	No data available.
Oxidizing properties:	No data available.
Minimum ignition temperature:	315 °C No data available.
Metal Corrosion:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	No data available.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	Carbon Monoxide. Carbon Dioxide. Silicon Dioxide. At temperatures of approximately 150C (302F) a small amount of formaldehyde can be released by oxidative degradation.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	If handled correctly, not a relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. 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:	No data available.
Specified substance(s):	
Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy-	LD 50 (Rat): > 2,000 mg/kg
Dermal	
Product:	No data available.

Specified substance(s):
 Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy- LD 50 (Rabbit): > 2,000 mg/kg

Inhalation
Product: Irritating to respiratory system.No data available.

Repeated dose toxicity
Product: The product or a component is a CNS depressant and a mild anesthetic.

Skin Corrosion/Irritation
Product: May cause skin irritation and/or dermatitis.

Serious Eye Damage/Eye Irritation
Product: Contact with eyes may cause irritation.

Respiratory or Skin Sensitization
Product: No data available.

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.

Specified substance(s):
 Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy- Not classified
 Poly(oxy-1,2-ethanediyl), Not classified
 α-hydro-ω-[[(9Z)-1-oxo-9-octadecen-1-yl]oxy]-, ether with D-glucitol (6:1)
 Distillates, petroleum, Not classified
 hydrotreated light

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Specified substance(s):
 Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl-omega-hydroxy- Not classified

Poly(oxy-1,2-ethanediyl),
 α-hydro-ω-[[[(9Z)-1-oxo-9-
 octadecen-1-yl]oxy]-,
 ether with D-glucitol (6:1)
 Distillates, petroleum,
 hydrotreated light

Not classified

Not classified

Aspiration Hazard

Product: No data available.

Specified substance(s):

Poly[oxy(methyl-1,2-
 ethanediyl)], alpha-butyl-
 omega-hydroxy-

Not classified

Poly(oxy-1,2-ethanediyl),
 α-hydro-ω-[[[(9Z)-1-oxo-9-
 octadecen-1-yl]oxy]-,
 ether with D-glucitol (6:1)

Not classified

Distillates, petroleum,
 hydrotreated light

May be fatal if swallowed and enters airways.

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:** No data available.**Mobility in soil:** No data available.**Known or predicted distribution to environmental compartments**

Poly[oxy(methyl-1,2-ethanediyl)], alpha-butyl- No data available.

omega-hydroxy-

Poly(oxy-1,2-ethanediyl), α - No data available.hydro- ω -[[*(9Z)*-1-oxo-9-
octadecen-1-yl]oxy]-, ether
with D-glucitol (6:1)

Silsequioxanes, methyl, No data available.

ethoxy terminated, reaction
products with polypropylene
glycol

Distillates, petroleum, No data available.

hydrotreated light

Other adverse effects: No data available.**13. Disposal considerations****Disposal methods:** No data available.**Contaminated Packaging:** No data available.**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)****Chemical Identity**

Octamethylcyclotetrasiloxane

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 Naphtha (petroleum),
hydrotreated heavy**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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