

Safety Data Sheet

Pro Long

1. IDENTIFICATION

Product Identifier: Pro Long
Canadian TDG: Non regulated
Synonyms: 1,2-Propanediol; 1,2-Dihydroxypropane; Methyl Glycol
Chemical Family: Glycols

Manufacturer/ Supplier:
Western Seal Corp
30 – 3703 Mitchelmore Avenue
Saskatoon, SK
S7P 0C5

Prepared by: The Environmental, Health and Safety Department of Western Seal Corp
Preparation Date of SDS: November 29, 2019
Telephone number of preparer: 306-260-6426
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2. HAZARDS IDENTIFICATION

GHS Classification

Not classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).



Signal Word: Warning

Hazard Statements(s):

H316 – Causes mild skin irritation
H320 – Causes eye irritation

GHS Precautionary Statement(s):

Prevention:

P264 - Wash face, hands 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:

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.
P301 + P310 - IF SWALLOWED: Rinse mouth. Call a poison center or doctor/physician if you feel unwell.
P303 + P361 + P353 – IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Storage:

P403 + P235 – Store in well-ventilated place. Keep cool.

Disposal:

P501 - Dispose of contents and container in accordance with local, regional, national and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %
1,2-Propylene Glycol	57-55-6	20-50

Notes

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First-aid Measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If effects occur consult a physician.

Skin Contact

Flush with copious amounts of water as a precaution. If skin irritation or a rash occurs, get medical advice/attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

Ingestion

Wash out mouth with water. Remove dentures if any. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

Most Important Symptoms and Effects, Acute and Delayed

None known.

Immediate Medical Attention and Special Treatment

Special Instructions

Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable Extinguishing Media

Do not use direct water stream. May spread fire.

Specific Hazards Arising from the Chemical

Exposure to combustion products may be a hazard to health.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Approach fire from upwind to avoid hazardous vapours or gases.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, flammable or explosive atmosphere.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. If there is potential for skin contact with concentrated cleaner: chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Follow safe handling advice and personal protective equipment recommendations.

Environmental Precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and Materials for Containment and Cleaning Up

Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Other Information

Report spills to local health, safety and environmental authorities, as required.

7. HANDLING AND STORAGE

Precautions for Safe Handling

When handling diluted product: no special handling precautions are necessary. Use only with adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

Conditions for Safe Storage

Keep in properly labeled containers. Store in accordance with the particular national regulations. Store separate from incompatible materials (see Section 10: Stability and Reactivity).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Ingredients	ACGIH® TLV®	OSHA PEL	IDLH
1,2-Propylene Glycol	1000 ppm	Not available	Not available

Consult local authorities for provincial or state exposure limits.

Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists. When handling large quantities of concentrated product: use a local exhaust ventilation and enclosure, if necessary, to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Do not get in eyes. Wear chemical safety goggles.

Skin Protection

Skin should be washed after contact.

Other Personal Protection Data:

Ensure that eyewash stations and safety showers are proximal to the work-station location. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

9. CHEMICAL AND PHYSICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	Odorless
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	<-20°C / <-4°F(freezing)
Initial Boiling Point/Range	100.8°C / 213.4°F
Flash Point	>100.0 °C
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not available
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity (dynamic)	Not available
Other Information	
Physical State:	Liquid

10. STABILITY AND REACTIVITY

Reactivity

Not reactive. Not sensitive to mechanical impact.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

None known.

Incompatible Materials

Oxidizing agents (e.g. peroxides)

Hazardous Decomposition Products

Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials.

Hazardous decomposition products may include and are not limited to: aldehydes, ketones, organic acids.³

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Ingredients	LD50s and LC50s Route & Species
Propylene Glycol	Oral LD50 Rat = 20000 mg/kg Dermal LD50 Rabbit = 20800 mg/kg

Potential Health Effects

Eyes:	May cause slight temporary eye irritation.
Skin:	Health injuries are not known or expected under normal use.
Ingestion:	Health injuries are not known or expected under normal use.
Inhalation:	Health injuries are not known or expected under normal use.
Chronic Exposure:	Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Experience with Human Exposure

Eye contact:	Redness, irritation.
Skin contact:	No symptoms known or expected.
Ingestion:	No symptoms known or expected.
Inhalation:	No symptoms known or expected.

Acute Test of Product

Acute oral toxicity:	Acute toxicity estimate (ATE): > 20,000 mg/kg
Acute inhalation toxicity:	No data available
Acute dermal toxicity:	Acute toxicity estimate (ATE): > 20,000 mg/kg

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Aspiration Hazard

Not an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

In rare cases, repeated excessive exposure to propylene glycol may cause central nervous system effects.

Skin Corrosion/Irritation

Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Eye Irritation

May cause slight temporary eye irritation.
Corneal injury is unlikely.
Mist may cause eye irritation.

Respiratory or Skin Sensitization

This product is not expected to cause respiratory or skin sensitization.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive Toxicity

This product is not expected to cause reproductive or developmental effects.

Germ Cell Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Interactive Effects

No information was located

12. ECOLOGICAL INFORMATION

Ingredients	Ecotoxicity – Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity – Freshwater Algae Data
1,2-Propylene Glycol	LC50 96 h (Pimephalespromelas) 13500 mg/L	Not Available	Not available

13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants). The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

Disposal methods: Diluted product can be flushed to sanitary sewer.

Disposal considerations: Dispose of in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION**DOT (U.S.):**

DOT Shipping Name: Not Regulated.

DOT Hazardous Class: Not Applicable.

DOT UN Number: Not Applicable.

DOT Packing Group: Not Applicable.

DOT Reportable Quantity (lbs): Not Available.

Marine Pollutant: No.

TDG (Canada):

TDG Shipping Name: Not Regulated.

Hazard Class: Not Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

Marine Pollutant: No.

Special Precautions for User

Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

U.S. TSCA Inventory Status: All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

Canadian DSL Inventory Status: All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

California Proposition 65: Not Listed.

MA Right to Know List: Listed.

New Jersey Right-to-Know List: Listed.

Pennsylvania Right to Know List: Listed.

WHMIS Hazardous Class:
D2B TOXIC MATERIALS

16. OTHER INFORMATION

Additional Information: This product has been classified in accordance with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the SDS contains all the information required by the Hazardous Products Regulations (HPR).

Prepared by: The Environmental, Health and Safety Department of Western Seal Corp

Date of Latest Revision: November 29, 2019

Key to Abbreviations: IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans. ACGIH® = American Conference of Governmental Industrial Hygienists. A4 = Not classifiable as a human carcinogen. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration. ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. A4 = Not classifiable as a human carcinogen. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. IDLH = Immediately Dangerous to Life and Health.

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*****END OF SDS*****