

Safety Data Sheet

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# Section 1: Chemical Product and Company Identification

1.1 Product Identifier

Product Name (As Labelled): Propylene Glycol USP Synonyms: Propylene Glycol

CAS# Liquid
Catalog Number PAH-034
PAH-035

#### 1.2 Product Use

**1.2.1** Relevant Identified Uses

Industrial/Professional Use For Veterinary use only

Intended Use As an aid in the treatment of acetonemia (ketosis) in cattle and

sheep

# 1.3 Details of The Supplier of the Safety Data Sheet

#### 1.3.1 Manufacturer Name and Contact:

Company Name Partnar Animal Health Inc.

Address: 14057 Ilderton Road, Ilderton, ON N0M 2AO

Telephone: 1-866-690-4998

Website: <a href="http://www.partnaranimalhealth.ca/">http://www.partnaranimalhealth.ca/</a>

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# Section 2: Hazardous Identification

# 2.1 Classification of The Substance/Mixture

This product does not meet the definition of a hazardous substance as defined by Hazardous Product Regulation(HPR) as implemented under the Work Hazardous Material Information System (WHMIS 2015)

# 2.2 Adverse Physicochemical, Human Health and Environmental Effects

No additional information is available

#### Section 3: Composition/Information on Ingredients

Name	Product Identifier (CAS#)	WT%	GHS Hazard Classification
Propylene Glycol	57-55-6	Not less than 99.5 %(v/v)	Not classified

• Balance of other ingredients are less 1% in concentration (0.1 % for carcinogens, reproductive toxins, or respiratory sensitizers.

# Section 4: First Aid Measures

#### 4.1 Description of First Aid Measures

First-aid measures general Never give anything by mouth to an unconscious person. If

you feel unwell, seek medical advice.

First-aid measures after skin contact

Remove affected clothing and wash all exposed skin area with

with plenty of water.

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First-aid measures after eye contact

Rinse immediately with plenty of water for several minutes.

Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist

First-aid measures after ingestion No emergency medical treatment necessary

First-aid measures after inhalation If breathing becomes difficult, remove victim to fresh air.

Seek medical attention.

4.2: Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/injuries Not expected to a significant hazard under anticipated

conditions of normal use.

4.3: Indication of any Immediate Medical Attention and Special Treatment Needed

No additional information is available

#### Section 5: Fire Fighting Measures

5.1	Extin	guishable M	<b>Tedia</b>

Suitable extinguishing media Water fog, fine spray. Dry chemical fire extinguisher. Carbon

dioxide fire extinguisher. Foam. Alcohol resistant foams (ATC) are preferred. General purpose synthetic foam (including AFFF) or protein foams may function, but will be

less effective.

Unsuitable extinguishing media Do not use direct water system. May spread fire.

Unusual Fire & Explosion Hazards Container may rupture from gas generation in a fire situation.

Violent steam generation or eruption may occur upon application of direct water stream to hot liquids

# 5.2 Special Hazards Arising from the Substance or Mixture

During fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion product may include and are not limited to CARBON MONOXIDE and CARBON DIOXIDE.

#### 5.3 Advice to Fire Fighter

Firefighting instructions Exercise caution when fighting any chemical fire. Burning

liquid may be extinguished by dilution with water. Do not use

direct water stream. May spread fire.

Protection during firefighting Wear positive-pressure self-contained breathing apparatus

(SCBA) and protective firefighting clothing.



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#### Section 6: Accidental Release Measures

#### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use cautious judgement when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

#### **6.2 Environmental Precautions**

Stop leak. Contain spill if possible and safe to do so.

# 6.3 Method and Material for Contaminant and Cleaning Up

Dispose of in accordance to Canada and its Provinces and U.S Federal, State and local hazardous waste disposal regulations.

# Section 7: Handling and Storage

# 7.1 Precautions for Safe Handling

Spill of this organic materials on hot fibrous insulations may lead to lowering of the auto ignition temperatures possibly resulting in spontaneous combustion. Use good hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking and when leaving work. As with all chemicals, avoid getting this product ON YOU or IN YOU.

#### 7.2 Storage Conditions

Storage Conditions	
Storage Conditions	Store away from direct sunlight or ultraviolet light. Store in
	original container or opaque HDPE plastic container. Keep
	container tightly closed when not in use Store in a dry place
	Protect from atmospheric moisture. Do not use after expiry
	date.

Storage Temperature 15-30 ° C

# Section 8: Exposure Controls-Personal Protection

#### 8.1 Exposure Parameters

Component	Regulation	Type of Listing	Value/Notation
Propylene Glycol	US WEEL	TWA	10 /mg/m3
	CA ON OEL	TWAE Total	155 mg/m3 50 ppm
	CA ON OEL	TWAEV	10 mg/m3
	CA ON OEL	TWA	155 mg/M3 50 ppm
	CA ON OEL	TWA	10 mg/m3
	CA ON OEL	TWA Vapor and aerosol	155 mg/M3 50 ppm
	CA ON OEL	TWA aerosol	

# 8.2 Personal Protection

Personal Protective Equipment Avoid all unnecessary exposure

Hand Protection Chemical protective gloves should not be needed when

handling this material. As with general hygienic practice for

any material, skin contact should be minimized.

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**Eye Protection** Chemical goggles or safety glasses (with side shield)

Respiratory Protection Respiratory protection should be worn when there is a

> potential to exceeded the exposure limit requirement or guideline. In misty atmosphere, use an approved particulate respirator. The following should be effective types of airpurifying respirators: Organic vapor cartridge with a

particulate pre-filter.

# Section 9: Physical and Chemical Properties

# 9.1 Information on Basic Physical and Chemical Properties

Physical State Liquid Colour Colorless Odour Odourless Odour Threshold No data available рΗ Not Applicable

Melting Point  $< -20 \, {}^{\circ}{\rm C}$ Freezing Point < -20 °C

**Boiling Point** 184 °C at 752.46 mmHg Flash Point closed cup 104 °Cat 1,001 hPa

Evaporation Rate (Butyl Acetate=1 0.01 Estimated Auto Ignition Temperature > 400 °C at 100.01 kPa Decomposition Temperature No data available Vapour Pressure 20 Pa at 25 °C

Relative Vapour Density (air =1) 2.62

Relative Density (water =1) 1.03 at 20 °C 100% at 20 °C Solubility 60.000-110.00 CPs Viscosity **Explosive Property** Not explosive

Oxidizing Property No

# Section 10: Stability and Reactivity

#### **10.1 Reactivity**

No Data Available

#### 10.2 Stability

Stable for 24 months under recommended storage condition from the date of manufacture.

# 10.3 Possibility of Hazardous Reactions

Polymerization will not occur

# 10.4 Conditions to Avoid

No Data available

#### 10.5 Hazardous Decomposition Product



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Decomposition product depend upon temperature, air supply and presence of other material. Decomposition products can include and are not limited to: Aldehydes, Alcohols, Ethers, Organic acid

#### 10.6 Incompatible Materials

Avoid contact with strong acid, strong bases and strong oxidizers.

#### Section 11: Toxicological Information

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Acute toxicity: Very low toxicity if swallowed.

Harmful effect is not anticipated from swallowing

small amount.  $LD_{50}$ , Rat, > 20,000 mg/kg

**Acute dermal toxicity:** Prolonged skin contact is unlikely to result in absorption of harmful amounts.

LD<sub>50</sub>, Rabbit, > 2,000 mg/kg

**Acute inhalation toxicity:** At room temperature, exposure to vapor is minimal due to low volatility.

Mist may cause irritation of upper respiratory tract

(nose and throat)

Skin corrosion/irritation Prolonged contact is non-irritating to skin

Repeated contact may cause flaking and softening of

skin

Serious eye damage/irritation May cause slight temporary eye irritation

Respiratory or skin sensitisation Did not cause allergic skin reactions when tested in

humans

Carcinogenicity Did not cause cancer in laboratory animals

Reproductive toxicity In animal studies did not interfere with reproduction

or fertility

Specific target organ toxicity (single exposure)

This material not an STOT-SE toxicant

Specific target organ toxicity (repeated exposure) In rare cases,, repeated excessive exposure to

propylene glycol may cause central nervous system

effects

Aspiration hazard Not likely to be an aspiration hazard

# Section 12: Ecological Information

#### 12.1 Toxicity

Material is practically non-toxic to aquatic organisms on an acute basis

#### 12.2 Mobility into Soil

Given the very low Henry constant, volatilization from natural bodies of water or moist soil is not expected



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#### 12.2 Other Adverse Effects

None known

# Section 13: Disposal Consideration

# 13.1 Waste Treatment Method

Waste disposal recommendation Dispose in a safe manner in accordance with

local/national regulations.

Ecology-waste material Dispose in a safe manner in accordance with

local/national regulations.

# Section 14: Transportation Information

Not regulated for transport

# Section 15: Regulatory Information

Complies with WHMIS 2015

# Section 16: Other Information

#### 16.1 Abbreviations

CA ON OEL	Canada Ontario OELs	
TWA	8-hr Time Weighted Average	
TWAEV	Time-weighted average exposure value	
US WEEL	USA Workplace Environmental Exposure Levels	

#### 16.2 Hazard Rating System

**Hazardous Material Identification** System



#### 16.3 Declaimer

The information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Partnar Animal Health Inc. and shall only be used as a guide. It is hereby expressly stated that the use of this information shall be solely at the user own risk, and that users shall have no claim(s) against Partnar Animal Health Inc. for any damage resulting from the use of this information and / or handling and or contact with the above product.