

# Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations SDS ID: 31527

Issue date: 11/17/2023 Version: 1.0

# **SECTION 1: Identification**

#### 1.1 Identification

Product form : Mixture

Product name : Develon PG Premixed Antifreeze/Coolant

#### 1.2. Recommended use and restrictions on use

No additional information available

# 1.3. Supplier

Develon 2905 Shawnee Industrial Way Suwanee, GA 30024 USA T (678) 714-6000

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

#### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

#### **GHS US classification**

Not classified

# 2.2. GHS Label elements, including precautionary statements

#### **GHS US labeling**

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

# **SECTION 3: Composition/Information on ingredients**

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
PROPYLENE GLYCOL	CAS-No.: 57-55-6	≥ 50	Not classified

Full text of hazard classes and H-statements : see section 16

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#### **SECTION 4: First-aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell. First aider: Pay attention to self-

protection.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill

effect or irritation develops.

First-aid measures after skin contact : Wash skin with plenty of water. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get

medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. If you feel unwell, seek medical advice.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

#### **SECTION 5: Fire-fighting measures**

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : The vapors are denser than air and may travel along the ground. Distance ignition possible.

# 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Eliminate all ignition

sources if safe to do so. Fight fire from safe distance and protected location. In case of fire: Stop

leak if safe to do so.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : High temperature decomposition products are harmful by inhalation.

## **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. Evacuate area. Prevent from entering sewers,

basements and workpits, or any place where its accumulation can be dangerous.

#### 6.1.1. For non-emergency personnel

Protective equipment : Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment.

Emergency procedures : Evacuate unnecessary personnel. Do not breathe vapors. No open flames, no sparks, and no

smoking.

#### 6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment. For further information refer to section 8:

"Exposure controls/personal protection".

Emergency procedures : Prevent from entering sewers, basements and workpits, or any place where its accumulation can

be dangerous.

#### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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#### 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or

streams.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

Clear up rapidly by scoop or vacuum.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe vapors. Keep away from heat, hot

surfaces, sparks, open flames and other ignition sources. No smoking.

Handling temperature : ≤ 140 °F

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product. Wear personal protective equipment. Take off immediately all contaminated clothing and wash it before reuse. Separate working clothes from town clothes. Launder separately.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep only in original container.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Develon PG Premixed Antifreeze/Coolant		
USA - OSHA - Occupational Exposure Limits		
OSHA PEL TWA	5 mg/m³ Contains highly refined petroleum oil	
OSHA PEL STEL	10 mg/m³ Contains highly refined petroleum oil	

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers

should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Protective gloves. nitrile rubber gloves
Eye protection:
Chemical goggles or safety glasses

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#### Skin and body protection:

Wear suitable protective clothing. Wear impervious rubber safety shoes. Chemical resistant apron

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

#### Personal protective equipment symbol(s):











# **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Purple
Odor : Sweet

Odor threshold : No data available pH : No data available Melting point : No data available Freezing point : No data available Boiling point : No data available Flash point : > 100 °C

Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : No data available Vapor pressure : No data available

Relative vapor density at 20°C : No data available

Relative density : 1.1

Solubility No data available · No data available Partition coefficient n-octanol/water (Log Pow) Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic : No data available Viscosity, dynamic No data available **Explosion limits** No data available Explosive properties No data available Oxidizing properties No data available

#### 9.2. Other information

No additional information available

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

# 10.3. Possibility of hazardous reactions

None under normal use.

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#### 10.4. Conditions to avoid

High temperature.

# 10.5. Incompatible materials

Acids. Oxidizing agent.

#### 10.6. Hazardous decomposition products

fume. Carbon dioxide. Carbon monoxide.

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

PROPYLENE GLYCOL (57-55-6)	
LD50 dermal rabbit	> 2000 mg/kg body weight (24 h, Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 44.9 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s))
ATE US (oral)	22000 mg/kg body weight

Skin corrosion/irritation : Not classified

### **PROPYLENE GLYCOL (57-55-6)**

pH 6.5 – 7.5 (50 %)

Serious eye damage/irritation : Not classified

#### PROPYLENE GLYCOL (57-55-6)

pH 6.5 – 7.5 (50 %)

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

# **PROPYLENE GLYCOL (57-55-6)**

NOAEL (subchronic,oral,animal/male,90 days) 443 mg/kg body weight Animal: cat, Animal sex: male

Aspiration hazard : Not classified Viscosity, kinematic : No data available

# **PROPYLENE GLYCOL (57-55-6)**

Viscosity, kinematic 55.77 mm²/s (20 °C, No data available in the literature)

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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# **SECTION 12: Ecological information**

# 12.1. Toxicity

Develon PG Premixed Antifreeze/Coolant		
LC50 - Fish [1]	> 100 mg/l	
LC50 - Other aquatic organisms [1]	> 100 mg/l	

PROPYLENE GLYCOL (57-55-6)	
LC50 - Fish [1]	40613 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
LC50 - Fish [2]	51400 mg/l Test organisms (species): Pimephales promelas
EC50 72h - Algae [1]	24200 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	19300 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [1]	19000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	19100 mg/l Test organisms (species): Skeletonema costatum
ErC50 algae	24200 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

# 12.2. Persistence and degradability

Develon PG Premixed Antifreeze/Coolant		
Persistence and degradability Not rapidly degradable		
PROPYLENE GLYCOL (57-55-6)		
Persistence and degradability	Biodegradable in the soil,Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.96 – 1.08 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD)	1.63 g O <sub>2</sub> /g substance	
ThOD	1.69 g O₂/g substance	

# 12.3. Bioaccumulative potential

PROPYLENE GLYCOL (57-55-6)	
Partition coefficient n-octanol/water (Log Pow)	-1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)
Bioaccumulative potential	Not bioaccumulative.

# 12.4. Mobility in soil

PROPYLENE GLYCOL (57-55-6)		
Surface tension	71.6 mN/m (21.5 °C, 1.01 g/l, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)	
Ecology - soil	Highly mobile in soil.	

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#### 12.5. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

#### 13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose in a safe manner in accordance with local/national

regulations.

Additional information : Clean up even minor leaks or spills if possible without unnecessary risk. Do not re-use empty

containers.

Ecological information : Avoid release to the environment.

#### **SECTION 14: Transport information**

In accordance with DOT

#### 14.1 IIN number

DOT NA No : Not regulated

# 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated

### 14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not regulated

### 14.4. Packing group

Packing group (DOT) : Not regulated

#### 14.5. Environmental hazards

Other information : No supplementary information available.

#### 14.6. Special precautions for user

#### DOT

Not regulated

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

Not applicable

## **SECTION 15: Regulatory information**

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
PROPYLENE GLYCOL	57-55-6	Present	Active	

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# 15.2. International regulations

#### CANADA

#### PROPYLENE GLYCOL (57-55-6)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

No additional information available

#### **National regulations**

#### **PROPYLENE GLYCOL (57-55-6)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

# 15.3. US State regulations

No additional information available

#### **SECTION 16: Other information**

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NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant

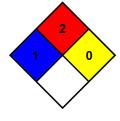
irritation.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively

high ambient temperatures before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire

conditions.



Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids,

solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : B - Safety glasses, Gloves

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.