

Safety Data Sheet



Issue Date: 08-Oct-2020

Version: 1

1. IDENTIFICATION

Product Identifier

Product Name Sky-Go PG Concentrate

Other means of identification

SDS# ASG-001

Recommended use of the chemical and restrictions on use

Recommended Use Aircraft deicer

Details of the supplier of the safety data sheet

Supplier Address

ASG Global Aviation Chemicals, LLC
2680 Matheson Blvd East, Suite 102
Mississauga, ON, L4W 0A5
Canada
+1 905-267-3433

Emergency Telephone Number

Emergency Telephone (24 hr) PH# +1 905-267-3433

2. HAZARDS IDENTIFICATION

Appearance: Clear, orange liquid

Physical State: Liquid

Odor: None

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Propylene Glycol	57-55-6	60-100

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

General Advice

Provide this SDS to medical personnel for treatment

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin Contact

Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

Inhalation

Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individuals condition declines or if symptoms persist.

Ingestion

If swallowed, do not induce vomiting, except at the direction of medical personnel. Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately.

Most important symptoms and effects

Symptoms

May cause eye and skin irritation. May cause nausea, vomiting, stomach ache and diarrhea.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

May aggravate pre-existing skin disorders.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water, foam, carbon dioxide, dry powder

Unsuitable Extinguishing Media Not determined

Specific Hazards Arising from the Chemical

The product may become combustible after prolonged heating at the boiling point.

Hazardous Combustion Products Carbon oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Wear protective clothing as described in Section 8 of this safety data sheet.
Ventilate affected area.

Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12. Ecological information.

Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an inert (i.e. vermiculite, dry sand or earth) absorbent material.

Methods for Clean-Up

Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS.

Prevention of Secondary Hazards

Material can create slippery conditions.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Follow all SDS/label precautions even after container is emptied, because it may retain product residues. Do not breathe vapors or spray mist. Do not eat, drink, or smoke when handling product.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from incompatible materials.

Packaging Materials

Empty containers retain product residue and can be hazardous

Incompatible Materials

Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

No exposure limits noted for ingredient(s). The following information is given as general guidance.

Appropriate Engineering Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection

Wear eye protection if splashing is possible.

Skin and Body Protection

Chemical impervious to gloves. Boots, aprons needed for protection against spill/splashes

Respiratory Protection

Not usually necessary under conditions of normal use. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations

Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Clear, orange liquid
Color	Clear orange
Odor	None
Odor Threshold	Not Determined

<u>Property</u>	<u>Values</u>	<u>Remarks – Method</u>
pH	7.50-8.50	@ 20°C

Melting Point/Freezing Point	100% Below -70°C 75% v/v -60°C 50% v/v -28°C
Boiling Point/Boiling Range	117°C / 242.6°F
Flash Point	None below boiling point
Evaporation Rate	Not determined
Flammability (Solid, Gas)	Liquid-not applicable
Upper Flammability Limits	Not determined
Lower Flammability Limit	Not determined
Vapor Pressure	< 10 mmHg @ 68°F (20°C)
Vapor Density	1.6 (estimated) (Air=1)
Specific Gravity	> 1.039 @ 20°C (68°F)
Water Solubility	Completely miscible
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	> 446°C / > 834.8°F
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	20°C 25mPas 0°C 60mPas
Explosive Properties	Not an explosive
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing

Hazardous Polymerization Hazardous polymerization does not occur

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources. Keep separated from incompatible substances.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Incomplete combustion may produce Carbon Monoxide and other harmful gases.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact	May cause temporary irritation on eye contact.
Skin Contact	May cause temporary irritation on skin contact.
Inhalation	Avoid breathing vapors or mists
Ingestion	May cause discomfort if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms	Please see section 4 of this SDS for symptoms
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Delayed and Immediate Effects as Well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Propylene Glycol 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51400: 96 h Pimephales promelas mg/L LC50 static 710L 96 h Pimephales promelas mg/L LC50 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 – 47; 96 h Oncorhynchus mykiss mL/L LC50 static		1000: 48 h Daphnia magna mg/L EC50 static 10000: 24 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Propylene Glycol	Present	X		Present		Present	X	Present	X	X

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS – Japan Existing and New Chemical Substances

IECSC – China Inventory of Existing Chemical Substances

KECL – Korean Existing and Evaluated Chemical Substances

PICCS – Philippines Inventory of Chemicals and Chemical Substances

AICS – Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Not determined

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene Glycol 57-55-6	X		X

16. OTHER INFORMATION**NFPA**

Health Hazards
1

Flammability
Not determined

Instability
Not determined

Special Hazards
Not determined

HMIS

Health Hazards
1

Flammability
Not determined

Physical Hazards
0

Personal Protection
B

Issue Date: 02-Oct-2020

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET