Safety Data Sheet

Issue Date: 05-May-2025 Version: 2.0

1. IDENTIFICATION

Product Identifier

Product Name Sky-Go EG Pre-Diluted

Other means of identification

SDS# ASG-004
UN/ID No UN3082

Revision Date: May 5, 2025

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, LTD
77 City Centre Dr, East Tower, Suite 501
Mississauga, ON, L5B 1M5
Canada
+1 905-267-3433

Emergency Telephone Number

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

2. HAZARDS IDENTIFICATION

Appearance: Clear, orange/red liquid **Physical State:** Liquid **Odor:** None

Classification

Acute Toxicity - Oral	Category 4
Specific Target Organ Toxicity (repeated exposure)	Category 2

Signal Word

Warning

Hazard Statements
Harmful if swallowed
May cause damage to organs through prolonged or repeated exposure

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements – Response
Get medical advice/attention if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth

Precautionary Statements – Disposal
Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethylene Glycol	107-21-1	40-100

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

Sweet 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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol 107-21-1	Ceiling: 100 mg/m³ aersol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m³	-

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/red liquid
Color	Clear orange/red
Odor	None
Odor Threshold	Not Determined

Property	**Values**	**Remarks – Method**
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	> 100°C / > 212°F	
Flash Point	> 100°C / > 212°F	
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	1.5 (estimated)	(Air=1)
Specific Gravity	> 1.04	@ 20°C (68°F)
Water Solubility	Completely miscible	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	> 250°C / > 482°F	
Decomposition Temperature	Not determined	

Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
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 form 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 Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol 107-21-1	= 4000 - 10200 mg/kg (Rat)	=9530 µL/kg (Rabbit)= 10600 mg/kg (Rat)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms

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.

STOT – repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Component Information

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Ethylene Glycol 107-21-1	6500 – 13000 : 96 h Pseudokirchneriella subcapitata mg/L EC50	41000: 96 h Oncorhynchus mykiss mg/L LC50 14 – 18: 96 h Oncorhynchus mykiss mL/L LC50 static 27540 : 96 h Lepomis macrochirus mg/L LC50 static 40761 : 96 h Poecilia reticulata mg/L LC50 static 40000 – 60000: 96 h Pimephales promelas mg/L LC50 static	EC50 = 10000 mg/L EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	46300: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Chemical Name	Partition Coefficient
Ethylene glycol 107-21-1	-1.93

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 (Single Container < RQ)
UN/ID No UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Ethylene Glycol)
Hazard Class 9
Packing Group III
Reportable Quantity (RQ) 5000 lbs

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethylene 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

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ethylene Glycol 102-21-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No	Weight - %	SARA 313 – Threshold Values %

Ethylene Glycol 107-21-1	107-21-1	60-100	1.0

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol 107-21-1	X	X	X

16. OTHER INFORMATION

NFPA

Health Hazards	Flammability	Instability	Special Hazards
Not determined	Not determined	Not determined	Not determined

HMIS

Health Hazards	Flammability	Physical Hazards	Personal Protection
Not determined	Not determined	Not determined	Not determined

Original Issue Date: 12-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