

Safety Data Sheet



Issue Date: 05-May-2025

Version: 2.0

1. PRODUCT AND MANUFACTURER INFORMATION

Product Identifier

Product	4Flite PG
Synonyms	AMS 1428 Type IV Anti-icing Fluid
Chemical Family	Propylene Glycol
Formula	Proprietary Blend

Other means of identification

SDS#	ASG-005
UN/ID No	UN3082

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
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2. HAZARDOUS INGREDIENTS

CHEMICAL/COMMON NAME CAS-NUMBER % PEL-OSHA TLV-ACGIH STEL

Product Contains no substances currently listed by OSHA Subpart Z (29CFR 1910.1000)
Product is not considered carcinogenic by NTP, IARC or OSHA

3. HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH = 0
FLAMMABILITY = 0
REACTIVITY = 0
PROTECTION = B

4. HEALTH HAZARD DATA**HEALTH EFFECTS** (Acute and Chronic)

EYES: May cause a stinging sensation, redness, and irritation.

SKIN: No adverse effects are expected.

INHALATION: No adverse effects are expected with normal recommended use. Avoid inhalation of large volumes.

INGESTION: Accidental ingestion may cause slight stomach distress.

PRIMARY ROUTES OF ENTRY:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing eye disease may be aggravated.

EYES/SKIN: Yes INHALATION: No INGESTION: No

5. FIRST AID INSTRUCTIONS**EMERGENCY FIRST AID PROCEDURES**

EYES: Flood with water for at least 15 minutes. If irritation persists, get medical attention.

SKIN: Wash exposed areas with mild soap and water. If irritation occurs and persists, get medical attention.

INHALATION: Move victim to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, administer artificial respiration (mouth to mouth is preferred) if trained - get immediate medical attention.

INGESTION: In case of accidental ingestion, administer 4-8 oz. of water to dilute stomach contents.

DO NOT INDUCE VOMITING - The potential of lung damage is greater than the poisoning hazard. If stomach distress persists, get medical attention.

6. CHEMICAL DATA

BOILING POINT: 240°F or 115°C

VAPOR PRESSURE (mmHg): <0.1

VAPOR DENSITY (AIR=1): >1.0

SPECIFIC GRAVITY (WATER=1): 1.05

PERCENT VOLATILE BY VOLUME (%): N/A

EVAPORATION RATE (n-Butyl Acetate =1): <1.0

SOLUBILITY IN WATER: Complete

APPEARANCE AND ODOR INFORMATION: Green colored liquid with mild odor

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents, acids and alkalis

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce oxides of carbon and nitrogen.

WILL HAZARDOUS POLYMERIZATION OCCUR: No

CONDITIONS TO AVOID FOR POLYMERIZATION: None

IS THE PRODUCT STABLE: Yes

CONDITIONS TO AVOID FOR STABILITY: High temperatures and strong oxidizers

7. FIRE FIGHTING INFORMATION

FLASH POINT (Method Used): >212°F (PMCC) or 100°C

FLAMMABLE LIMITS: Not applicable

EXTINGUISHING MEDIA: This material will only burn when the water content has completely evaporated. However, the material residue can burn.

SPECIAL FIRE FIGHTING PROCEDURES: Keep fire-exposed containers cool with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

8. SPILL OR LEAK/DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Product may be slippery when spilled. Spread granular cover on area. In confined areas wear proper protective equipment. Comply with spill notification requirements. All response activities must comply with HAZWOPER (29CFR 1910.120)

WASTE DISPOSAL METHODS: Product is biodegradable. Dispose of waste in compliance with local, state, and federal regulations.

9. TOXICOLOGY INFORMATION

LC₅₀ (48 Hour) Fathead Minnow (pimephales promelas): 1975 ppm

LC₅₀ (48 Hour) Daphnia (daphnia magna): 975 ppm

10. ECOLOGICAL INFORMATION

BOD₅: 520,000 mg O₂ / L COD₅: 785,000 mg O₂ / L

11. EXPOSURE CONTROL AND PROTECTION

EYES: Use goggles when eye contact due to splashing or spraying is possible.

INHALATION: Special respiratory protection is generally not required under normal recommended use conditions with adequate ventilation. Protect against inhalation of large volumes of mist during application.

SKIN: Wear chemical resistant gloves, such as Rubber or PVC. If contact with skin is possible, practice good personal hygiene and wash equipment after each use.

OTHER PROTECTIVE EQUIPMENT: Select the appropriate personal protective equipment based on an evaluation of the performance characteristics of the protective equipment relative to the tasks to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

OTHER ENGINEERING CONTROLS: No special ventilation is recommended under anticipated conditions of normal use beyond that needed for normal comfort control.

WORK PRACTICES: All users should consult SDS before handling this material.

HYGIENIC PRACTICES: Use good personal hygiene practices. Wash hands and face after using this product. Promptly remove soiled clothing and wash thoroughly before reuse.

12. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING IN STORAGE:

Store in a cool, dry place away from oxidizers. Keep containers closed when not in use. Protect product from high moisture pickup.

13. SPECIAL PRECAUTIONS

MAINTENANCE PRECAUTIONS: Clean all contaminated equipment before starting any repair work.

14. OTHER INFORMATION

None

15. REGULATORY INFORMATION

CAS	Components	
7732-18-5	Water	< 47 %
57-55-6	Propylene Glycol	> 50 %
- - -	Trade Secret Components	< 3 %

SARA INFORMATION

This product contains no substances regulated under SARA III Section 313 Supplier Notification Requirements.

TSCA INFORMATION

All components of this product are listed in the TSCA Inventory.

DOT INFORMATION

Product is not regulated by DOT

16. HAZARDOUS MATERIAL IDENTIFICATION GUIDE

The follow letter codes refer to personal protective equipment (PPE) recommendations as shown in SECTION 3 of this SDS, relative to handling hazardous chemical products.

- A Safety Glasses
- B *Safety Glasses, Hand Protection***
- C Safety Glasses, Hand Protection, Protective Apron
- D Full Face Shield, Hand Protection, Protective Apron
- E Safety Glasses, Hand Protection, Dust Respirator
- F Safety Glasses, Hand Protection, Dust Respirator, Protective Apron
- G Safety Glasses, Hand Protection, Vapor Respirator
- H Splash Goggles, Hand Protection, Protective Apron, Vapor Respirator
- I Safety Glasses, Hand Protection, Dust & Vapor Respirator
- J Safety Glasses, Hand Protection, Protective Apron, Dust & Vapor Respirator
- K Air Line Hood or Mask, Hand Protection, Full Body Suit, protective Boots X
- X Unspecified – to be determined*
(*special equipment selection for site-specific applications not otherwise shown here)

Original Issue Date: 05-Dec-2020

Disclaimer

The above information is accurate to the best of our knowledge, however, since data, safety standards and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, ASG Global Aviation Chemicals Ltd. assumes no responsibility for any injury or loss resulting from the use of the product described herein.

END OF SAFETY DATA SHEET