

CAS COOLAINT Summerize

Ready-to-use, glycol-free summer cooling-system fluid

Controlled safety source: SDS_CAS.pdf, SDS UC-026, revision January 20, 2026. This TDS does not replace the current Safety Data Sheet.

PRODUCT OVERVIEW

COOLAINT Summerize is a ready-to-use, glycol-free cooling-system fluid intended for summer operating conditions. Ultimate Chemicals recommends use only in a clean, contaminant-free cooling system.

Product condition	Ready to use - do not dilute	Glycol content	Does not contain glycol
Physical state	Liquid	Appearance / odor	Clear liquid / pleasant
pH	8.5-9.5	Boiling point	100 C / 214 F
Water solubility	Completely soluble	Flash point	Non-flammable
Recommended use	Dissolves buildup in cooling systems	Transport	Not regulated

KEY OPERATING REQUIREMENTS

READY TO USE - DO NOT DILUTE.

DOES NOT CONTAIN GLYCOL.

- Use only in a clean, contaminant-free cooling system.
- Drain the old coolant completely from the lowest point before filling.
- Fill slowly from the lowest point until overflow is observed at the surge/day tank.
- **Do not use CAS for freeze protection.**
- **Protect from freezing during storage. If frozen, thaw completely before use.**

SHIPPING, PACKAGE AND LOGISTICS

Variant	Physical Package	SKU	Gross Weight	Dimensions	NMFC	Class
Standard	5 Gallon Bucket	COOL005	44 lb	10.25 x 10.25 x 14.75 in	48580	70
Standard	55 Gallon Drum	COOL055	504 lb	23.5 x 23.5 x 35 in	48580	70
Standard	250 Gallon Tote	COOL250	2,350 lb	40 x 47 x 46 in	48580	70

Transportation: SDS Section 14 states NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS for DOT, IATA and IMDG. Provisional 500- and 750-gallon-equivalent variants are intentionally excluded pending final verification.

NFPA 704



Health	1	Slight health hazard
Flammability	0	Non-flammable
Instability	0	Stable under normal conditions
Special	-	Not determined

GHS HAZARD COMMUNICATION

No GHS pictogram required by the current SDS classification.
Classification: Not a hazardous substance or mixture.
Signal word: None listed.
Hazard statements: None.

APPLICATION INSTRUCTIONS

1. Confirm the cooling system is clean and free of contamination.
2. Shut down the unit and follow site lockout/tagout and cooling-system safety requirements.
3. Remove the surge/day tank cap only when it is safe to do so.
4. Drain all old coolant from the lowest point in the cooling system.
5. Fill slowly with ready-to-use COOLAINT Summerize from the lowest point until overflow is observed from the surge/day tank.
6. Replace and secure the surge/day tank cap.
7. Start and run the unit.
8. Inspect for leaks and verify normal coolant circulation, level, pressure and operating temperature.

SAFE HANDLING AND REQUIRED CONTROLS

- Use normal precautions for handling liquids and drum-sized containers.
- Keep product out of the eyes and avoid prolonged skin exposure.
- Wear safety glasses; use goggles when splashing may occur.
- Wear impervious clothing or other body protection appropriate to the quantity handled.
- Ensure adequate ventilation, particularly in confined areas.
- Use an approved respirator if vapor formation occurs and ventilation is inadequate.
- Keep eyewash stations and safety showers close to the work area.
- High concentrations on the floor may be slippery. Control access and clean spills promptly.

STORAGE AND COMPATIBILITY

- Keep the container tightly closed in a cool, dry, well-ventilated place.
- Store locked up and keep away from children and pets.
- Protect from freezing. If frozen, allow the product to thaw completely before use.
- Store away from acids, bleach, ammonia, oxidizing agents and other incompatible materials.
- Do not add glycol or dilute the product unless specifically authorized by Ultimate Chemicals.
- Keep unused product in its original, properly labeled container.

SYSTEM CONDITION AND SERVICE CONTROLS

System cleanliness: CAS is intended for a clean, contaminant-free cooling system. Do not use CAS as a substitute for a required flush or corrective cooling-system service.

Before installation, correct known oil contamination, severe rust, scale, silicate dropout, phosphate dropout, burnt glycol or other conditions requiring a dedicated cleaning procedure.

After installation, verify coolant level, circulation, pressure and operating temperature before the unit is returned to normal service.

FIRST AID FROM CURRENT SDS

Exposure	Current SDS direction
Eyes	Immediately flush with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. Immediately call a poison center or doctor/physician.
Skin	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Immediately call a poison center or doctor/physician.
Inhalation	Remove to fresh air.
Ingestion	Induce vomiting. Drink a large quantity of milk. Immediately call a poison center or doctor/physician.

Emergency contact: INFOTRAC 1-800-535-5053 North America; 1-352-323-3500 International.

SPILL, RUNOFF AND ENVIRONMENTAL HANDLING

- Stop the release if it can be done safely.
- Soak up with inert absorbent material and transfer recovered material to properly labeled containers.
- The product can make floors slippery; isolate the area until cleanup is complete.
- The SDS states the product is not classified as environmentally hazardous and is readily biodegradable, but large or repeated releases may still be harmful.
- Prevent large or repeated releases to soil, drains, surface water or groundwater-sensitive areas.
- Dispose of recovered product, absorbent and containers according to site procedures and applicable regulations.
- Do not rely on generalized drain-disposal language without confirming local and site discharge requirements.

FIRE AND REACTIVITY

Fire: Use extinguishing measures appropriate to local circumstances and the surrounding environment. Water may be used to cool containers exposed to fire. Overheated drums may rupture because of steam.

Stability: Stable under normal conditions. SDS Section 10 lists oxidizing agents as incompatible materials and carbon oxides as hazardous decomposition products.

OPERATIONAL RESTRICTIONS

- READY TO USE - DO NOT DILUTE.
- DOES NOT CONTAIN GLYCOL.
- Use only in a clean, contaminant-free cooling system.
- Drain old coolant completely from the lowest point before filling.
- Fill slowly from the lowest point to minimize trapped air.
- **Do not use for freeze protection.**
- Do not mix with acids, bleach, ammonia, oxidizers or unknown chemicals.
- Consult the current SDS before handling, storage, spill response or disposal.

FIELD DOCUMENTATION CHECKLIST

Unit and cooling-system identification	Date and service personnel
System confirmed clean / contaminant free	Old coolant drained from lowest point
Volume of old coolant recovered	CAS volume installed
Ready-to-use product not diluted	Confirmed product contains no glycol
Filled slowly from lowest point	Overflow observed at surge/day tank
Cap replaced and secured	Unit started and run
Leak inspection completed	Circulation, level, pressure and temperature verified

TRANSPORTATION AND REGULATORY PROFILE

Mode / Field	Controlled value
DOT	NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS
IATA	NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS
IMDG	NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS
CERCLA RQ	No reportable quantity identified in the current SDS

DOCUMENT CONTROL

Product	CAS COOLAINT Summerize
Product code	CAS
Safety source	SDS_CAS.pdf SDS UC-026 revision January 20, 2026 Version 1
Operational source	CAS_TDS.PDF Revision 1, August 4, 2026
Shipping source	2026 Ultimate Chemicals Product Shipping Specs Matrix.xlsx
NFPA asset	NFPA_1-0-0.svg
GHS	No pictogram required by current SDS classification
Header artwork	MASTER_PRODUCT_LOGO_CAS_TRANSPARENT.png
Program/footer artwork	zhccs_869k.png Zero Hour Certified Cooling System badge

QUICK ACCESS

Scan the QR code or select the printed URL. Each printed URL is embedded as a clickable PDF hyperlink.

PRODUCT PAGE  https://ultimatechemicals.com/products/cas	SDS  https://ultimatechemicals.com/sds/cas	TDS  https://ultimatechemicals.com/tds/cas_tds.pdf
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