JMN SPECIALTIES, INC.

Safety Data Sheet
A-A-52624A Type 1 Conc B

SECTION 1: Identification

1.1 GHS Product identifier

Product name	A-A-52624A Type 1 Conc B
Product number	A-A-52624A Type 1 Conc B
Brand	JMN

1.2 Other means of identification

MIL-A-A-52624A Type I, Concentration B

1.3 Recommended use of the chemical and restrictions on use

Recommended use of the Chemical: A fully formulated ethylene glycol-based engine coolant and antifreeze conforming to Commercial Item Description A-A-52624A, Type I.
Restrictions on use: For industrial, military, and professional use only. Not intended for household, food, pharmaceutical, or medical applications.

1.4 Supplier's details

Name	JMN Specialties, Inc.
Address	1100 Victory Drive Westwego LA 70094 USA
Telephone	504-341-3749
Fax	504-341-5868
email	sales@jmnspecialties.com

1.5 Emergency phone number

CALL CHEMTEL: Toll Free US & Canada: (800) 255-3924, Outside USA +01-813-248-0585.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

- Acute toxicity, oral (C.4.1), Cat. 4
- Reproductive toxicity (C.4.10), Cat. 2
- Specific target organ toxicity, repeated exposure (C.4.12), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictograms

Signal word **Warning**

Hazard statement(s)

H302	Harmful if swallowed
H373	May cause damage to kidneys through prolonged or repeated exposure if swallowed.
H361	Suspected of damaging fertility or the unborn child.

Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands and clean any skin contact thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection/...
P301+P312	IF SWALLOWED: Call a POISON CENTER, doctor, or emergency room if you feel unwell.
P330	Rinse mouth.
P314	Get medical advice/attention if you feel unwell.
P501	Dispose of container and unused contents in accordance with federal, state and local requirements.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.

2.3 Other hazards which do not result in classification

Prolonged or repeated skin contact may cause mild irritation or defatting. Heated mists or vapors may cause respiratory irritation. Product contains ethylene glycol which may be toxic to pets and wildlife if ingested.

Statement regarding ingredients of unknown toxicity

Acute toxicity (oral): 0% of mixture consists of ingredient(s) of unknown toxicity.
Acute toxicity (dermal): 0% of mixture consists of ingredient(s) of unknown toxicity.
Acute toxicity (inhalation): 0% of mixture consists of ingredient(s) of unknown toxicity.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

	Component	Identification	Weight %	Classifications
1.	Ethylene glycol	CAS no.: 107-21-1 EC no.: 203-473-3 Index no.: 603-027-00-1	58 - 62 %	CLASSIFICATIONS: Acute toxicity, oral (chapter 3.1), Cat. 4. HAZARDS: H302 - Harmful if swallowed.
2.	Heavy-Duty Corrosion Inhibitor Package	CAS no.: Proprietary	2 - 8 %	CLASSIFICATIONS: No data available. HAZARDS: No data available.
3.	Deionized Water	CAS no.: 7732-18-5	30 - 40 %	CLASSIFICATIONS: No data available. HAZARDS: No data available.

Trade secret statement (OSHA 1910.1200(i))
The specific chemical identity and/or exact percentage (concentration) of certain components has been withheld as a trade secret in accordance with 29 CFR 1910.1200(i). The remaining ingredients are not hazardous, are present below reportable concentrations, or have been determined by the manufacturer to be proprietary. All ingredients are listed on or exempt from applicable chemical inventories where required.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	The severity of symptoms depends on the concentration and duration of exposure. Ingestion of ethylene glycol-containing products may result in delayed toxic effects, including metabolic acidosis and kidney injury; prompt medical evaluation is recommended even if symptoms are not immediately apparent. Individuals with pre-existing kidney, liver, respiratory, or skin conditions may be more susceptible to the effects of exposure. Provide supportive care and treat symptomatically. Ensure adequate ventilation when handling heated product or mist-generating operations. Personnel servicing military vehicles or equipment should follow all applicable maintenance manuals and technical orders when draining, filling, or servicing cooling systems.
If inhaled	Remove exposed person to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, provide oxygen by qualified personnel. Seek medical attention if symptoms persist or worsen.
In case of skin contact	Wash affected skin thoroughly with soap and water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. Seek medical attention if irritation develops or persists.
In case of eye contact	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists or vision changes occur.
If swallowed	If swallowed, rinse mouth with water. Do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Immediately contact a poison center or physician. Ethylene glycol ingestion may cause central nervous system depression, metabolic acidosis, and kidney injury.
Personal protective equipment for first-aid responders	Wear appropriate protective gloves and eye protection when assisting exposed individuals.

4.2 Most important symptoms/effects, acute and delayed
Ingestion may initially produce intoxication-like symptoms including headache, dizziness, drowsiness, nausea, vomiting, abdominal discomfort, slurred speech, and central nervous system depression. Delayed effects may include metabolic acidosis, rapid breathing, cardiovascular effects, and kidney damage. Eye contact may cause temporary irritation, redness, and tearing. Prolonged or repeated skin contact may result in mild irritation or drying of the skin. Inhalation of heated vapors or mists may irritate the respiratory tract.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Immediate medical attention is recommended following ingestion. Early treatment is important to prevent metabolic acidosis and renal injury associated with ethylene glycol poisoning. Treatment may include correction of acidosis and administration of antidotal therapy such as fomepizole or ethanol under medical supervision. Monitor renal function, electrolyte balance, and acid-base status. Treat symptomatically and supportively.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Suitable Extinguishing Media: Use water fog, alcohol-resistant foam, dry chemical powder, or carbon dioxide (CO_2). Use extinguishing media appropriate for surrounding materials and conditions.
Unsuitable Extinguishing Media: Do not use high-pressure water streams directly on burning liquid, as this may spread the fire.

5.2 Specific hazards arising from the chemical

This product is not readily flammable due to its water content; however, ethylene glycol residue remaining after water evaporation may burn under fire conditions. Containers exposed to excessive heat may rupture due to pressure buildup. Thermal decomposition and combustion may generate toxic and irritating gases including carbon monoxide, carbon dioxide, aldehydes, ketones, and organic acids.

5.3 Special protective actions for fire-fighters

Firefighters should wear self-contained breathing apparatus (SCBA) and full protective firefighting clothing. Use water spray to cool fire-exposed containers and surrounding equipment. Avoid inhalation of smoke, vapors, or decomposition products. Contain runoff from firefighting activities to prevent environmental contamination.

Further information

Approach fire from upwind to avoid hazardous vapors and decomposition products. Move containers from the fire area if it can be done safely. Dike and collect contaminated firefighting water for proper disposal in accordance with applicable regulations. Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment as described in Section 8. Avoid contact with skin, eyes, and clothing. Avoid breathing mist or vapor. Ensure adequate ventilation, especially in enclosed areas. Remove unnecessary personnel from the spill area. Exercise caution, as spilled product may create slippery surfaces.

6.2 Environmental precautions

Prevent release into the environment. Avoid discharge to drains, surface waters, groundwater, or soil. Large releases may contribute to oxygen depletion in aquatic environments during biodegradation. Ethylene glycol-containing materials may be harmful to animals if ingested.

6.3 Methods and materials for containment and cleaning up

Stop leak if it can be done safely. Contain spill with inert absorbent material such as sand, clay, vermiculite, or commercial absorbent. Prevent spill from entering drains, sewers, waterways, or soil. Collect absorbed material into suitable containers for disposal in accordance with applicable regulations. Flush residual material with water after physical cleanup is complete. Large spills may be recovered by pumping into salvage containers for recycling or disposal.

Reference to other sections

See protective measures in Sections 7 and 8. Disposal considerations in Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid ingestion and contact with eyes, skin, and clothing. Avoid breathing mists generated during spraying or high-pressure application. Use the Product only with adequate ventilation. Wash thoroughly after handling and before eating, drinking, smoking, or using the restroom. Do not eat, drink, or smoke while using the Product. Keep containers tightly closed when not in use. Prevent contamination with incompatible materials. Clean up spills promptly to minimize slip hazards and environmental release. Because the Product contains ethylene glycol, keep out of reach of children and animals. Use appropriate personal protective equipment as described in Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a cool, dry, well-ventilated location away from excessive heat, open flames, sparks, and incompatible materials. Protect containers from physical damage and contamination. Avoid prolonged storage at elevated temperatures. Store away from strong oxidizing agents, strong acids, strong bases, and reactive metals. Keep from freezing if container rupture or damage may occur. Product should be stored in properly labeled containers constructed of compatible materials such as carbon steel, stainless steel, HDPE, or approved glycol-compatible plastics.

Specific end use(s)

The Product is intended for use in equipment requiring compliance with Commercial Item Description A-A-52624A Type I, Concentration B. Typical applications include military tactical vehicles, armored vehicles, transport equipment, power generation units, engineering equipment, marine support equipment, and other heavy-duty cooling systems operating in severe cold-weather and arctic environments. Use only in accordance with applicable equipment maintenance manuals and service requirements.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Ethylene glycol (CAS: 107-21-1 EC: 203-473-3)

PEL-C (Inhalation): 100 mg/m3; USA (ACGIH)
USA. ACGIH Threshold Limit Values (TLV)/ Eye & Upper Respiratory Tract irritation, Not classifiable as a human carcinogen

PEL-C (Inhalation): 100 mg/m3; USA (ACGIH)
USA. ACGIH Threshold Limit Values (TLV)/ Upper Respiratory Tract irritation, Eye irritation, Not classifiable as a human carcinogen

PEL-C (Inhalation): 100 mg/m3; USA (ACGIH)
USA. ACGIH Threshold Limit Values (TLV)/ Upper Respiratory Tract irritation, Eye irritation, Adopted values or notations enclosed are those for which changes are proposed in the NIC, See Notice of Intended Changes (NIC), Not classifiable as a human carcinogen.

PEL-C (Inhalation): 40 ppm, 100 mg/m3; USA (Cal/OSHA)
California permissible exposure limits for chemical contaminants (Title 8, Article 107)

TWA [Ethylene glycol (particulate)] (Inhalation): 10 mg/m3; AU (AU/SWA)
Other advisory: Skin

TWA [Ethylene glycol (vapor)] (Inhalation): 20 ppm; 52 mg/m3; AU (AU/SWA)
Other advisory: Skin

STEL [Ethylene glycol (vapor)] (Inhalation): 40 ppm; 104 mg/m3; AU (AU/SWA)
Other advisory: Skin

IOELV-LTEL [Ethane-1,2-diol] (Inhalation): 52 mg/m3; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-LTEL [Ethane-1,2-diol] (Inhalation): 20 ppm; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEL [Ethane-1,2-diol] (Inhalation): 104 mg/m3; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEL [Ethane-1,2-diol] (Inhalation): 40 ppm; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

8.2 Appropriate engineering controls

Use adequate general or local exhaust ventilation to maintain airborne concentrations below applicable exposure limits. Ventilation should be sufficient to minimize exposure to vapors, mists, or heated decomposition products. Eyewash stations and safety showers should be readily accessible in areas where the product is handled.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection
Wear safety glasses with side shields or chemical splash goggles. Use face shield when splashing or misting conditions exist.

Skin protection
Wear chemical-resistant gloves such as nitrile, neoprene, PVC, or other glycol-resistant materials.

Body protection
Body Protection: Wear protective clothing. Clothing with full length sleeves and pants should be worn. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
General Hygiene Considerations: Do not eat, drink, or smoke while handling this product. Wash hands, face, and exposed skin thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Launder contaminated clothing before reuse.

Respiratory protection
Respiratory protection is not normally required under normal conditions of use with adequate ventilation. If exposure limits are exceeded or mists/vapors are generated, use a NIOSH-approved respirator appropriate for the exposure conditions.

Thermal hazards
Use caution when handling heated material. Heated product may generate irritating vapors or mists and may cause thermal burns upon contact.

Control banding approach
Control measures for this product should be selected based on the potential for exposure during handling, transfer, heating, or mist-generating operations.
Low Exposure Potential: General ventilation and standard industrial hygiene practices are normally adequate for closed handling systems and ambient-temperature transfer operations.
Moderate Exposure Potential: Use local exhaust ventilation and chemical-resistant gloves and eye protection where splashing, open handling, or extended contact may occur.
High Exposure Potential: For heated operations, aerosol generation, confined spaces, or large-scale spill response, use enhanced ventilation, chemical protective clothing, and appropriate respiratory protection including NIOSH-approved air-purifying or supplied-air respirators as necessary.
Selection of controls should consider process temperature, duration of exposure, ventilation effectiveness, and potential for mist or vapor formation.

Environmental exposure controls
Prevent uncontrolled release to the environment. Avoid discharge into drains, waterways, or soil. Use appropriate containment and spill-control measures during handling and transfer operations.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear green liquid
Color	Green
Odor	Mild glycol odor

Odor threshold	No data available.
Melting point/freezing point	Approximately −62 °F (−52 °C)
Boiling point or initial boiling point and boiling range	Approximately 219 °F (104 °C)
Flammability	Not Flammable
Lower and upper explosion limit/flammability limit	Lower Flammable Limit: Not applicable Upper Flammable Limit: Not applicable
Flash point	None expected for mixture
Explosive properties	Product is not explosive
Auto-ignition temperature	Not determined
Decomposition temperature	Not Determined
Oxidizing properties	Not oxidizing
pH	10.3–11.0
Kinematic viscosity	~2.2 mm²/s @40°C
Solubility	Complete
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure	<0.1 kPa
Evaporation rate	Slower than water
Density and/or relative density	1.075 - 1.085
Relative vapor density	>1 (air = 1)
Particle characteristics	Not applicable for this product

Further safety characteristics (supplemental)
Surface Tension: ~47–50 dynes/cm @ 25°C
VOC Content: 0%

SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reactions known under normal conditions.

10.2 Chemical stability
Stable under normal storage conditions.

10.3 Possibility of hazardous reactions
Hazardous polymerization will not occur. Product does not undergo dangerous reactions under normal conditions.

10.4 Conditions to avoid
Avoid excessive heat, open flames, sparks, hot surfaces, contamination, prolonged exposure to elevated temperatures, and contact with incompatible materials. Avoid conditions that may generate mists or vapors.

10.5 Incompatible materials
Strong oxidizing agents, strong acids, strong alkalis, chromates, permanganates, peroxides, nitric acid, and reactive metals.

10.6 Hazardous decomposition products
Thermal decomposition or combustion may generate carbon monoxide, carbon dioxide, aldehydes, ketones, organic acids, and irritating or toxic vapors and fumes.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Estimated Acute Toxicity (Product)
Oral (ATE): Approximately 4,500–5,000 mg/kg
Dermal: Not expected to present significant acute toxicity based on available component data.
Inhalation: Not expected to present significant acute toxicity under normal conditions of use.

Skin corrosion/irritation
Not classified. Prolonged or repeated contact may cause mild irritation or defatting.

Serious eye damage/irritation
May cause mild temporary eye irritation.

Respiratory or skin sensitization
Not expected to be sensitizing based on tests of components or similar products. Product does not have significant respiratory or skin sensitization potential based on general hazard information

Germ cell mutagenicity
Based on the available information, it is unlikely that this mixture poses a significant germ cell mutagenicity risk.

Carcinogenicity
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH,NTP, or EPA classification.

Reproductive toxicity
Contains ethylene glycol. The Product is classified as Reproductive Toxicity Category 2 due to ethylene glycol content and available component hazard information. Significant or repeated exposure, particularly by ingestion, is suspected of damaging fertility or the unborn child. Normal industrial handling with appropriate exposure controls is not expected to present significant reproductive risk.

Summary of evaluation of the CMR properties
The Product is not classified as carcinogenic or germ cell mutagenic under OSHA 29 CFR 1910.1200 (HazCom 2024).
The Product is classified as Reproductive Toxicity Category 2 due to the presence of ethylene glycol. Significant exposure, particularly by ingestion, may present a reproductive hazard.
Under normal industrial conditions of use and with appropriate exposure controls, the risk of adverse reproductive effects is expected to be low.

Specific target organ toxicity (STOT) - single exposure
Not classified.

Specific target organ toxicity (STOT) - repeated exposure
Category 2: May cause damage to kidneys through prolonged or repeated exposure if swallowed.

Aspiration hazard
Based on its physical properties (high viscosity, water-based glycol solution), the Product is not expected to present an aspiration hazard.

Additional information
The Product is a fully formulated ethylene glycol engine coolant manufactured to meet the performance requirements of Commercial Item Description A-A-52624A Type I, Concentration B. The primary health hazard is accidental ingestion of ethylene glycol. Under normal military or industrial service conditions, inhalation exposure is minimal because of the Product's low volatility. Good industrial hygiene practices and proper maintenance procedures will minimize occupational exposure.

SECTION 12: Ecological information

Toxicity
Fish (Product): Expected to have low acute toxicity; LC_{50} > 100 mg/L, based on similar products/components.
Aquatic Invertebrates (Product): Daphnia magna – Expected to have low toxicity; EC_{50} > 100 mg/L, based on similar products/components.
Chronic Toxicity – Fish (Product): NOEC/NOEL > 100 mg/L, based on similar products/components.
Chronic Toxicity – Aquatic Invertebrates (Product): NOEC/NOEL > 100 mg/L, based on similar products/components.
Toxicity to Aquatic Plants (Product): Algae – Expected to have low toxicity; EC_{50} > 100 mg/L, based on similar products/components.

Persistence and degradability
Ethylene glycol is readily biodegradable under aerobic conditions and is not expected to persist in the environment. The product is expected to degrade to carbon dioxide and water through normal biological processes.

Bioaccumulative potential
Ethylene glycol has a low potential for bioaccumulation due to its high water solubility and low partition coefficient.

Mobility in soil
Product is expected to be highly mobile in soil because it is completely soluble in water. Spills may migrate through soil and potentially contaminate groundwater if not contained.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Endocrine disrupting properties
No components are known to exhibit endocrine-disrupting properties at the concentrations present in this product.

Other adverse effects
Large releases to waterways may contribute to biological oxygen demand (BOD) during biodegradation and may reduce dissolved oxygen levels in aquatic systems. Ethylene glycol-containing products may be harmful to wildlife and domestic animals if ingested in sufficient quantities.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Recover or recycle material whenever possible. Do not discharge into surface waters, storm drains, sanitary sewers, or soil. Incineration or disposal through a licensed chemical waste contractor is recommended for large quantities or contaminated product.

Packaging disposal
Empty containers may retain product residue and vapors. Do not reuse containers for food, beverage, or potable water storage. Dispose of contaminated packaging in accordance with applicable regulations.

Waste treatment
Unused product is not specifically listed as a hazardous waste under RCRA; however, waste characterization is the responsibility of the generator and depends on the conditions of use and disposal.

Sewage disposal
Not approved for disposal in sewage systems. Avoid release to the environment. Handle through an authorized waste treatment or disposal facility.

Other disposal recommendations
Unused product is not specifically listed as a hazardous waste under RCRA; however, waste characterization is the responsibility of the generator and depends on the conditions of use and disposal.

SECTION 14: Transport information

DOT (US)
UN Number: None
Class: None
Packing Group: None
Proper Shipping Name: Not regulated for transportation
Reportable quantity (RQ): None
Marine pollutant: No
Poison inhalation hazard: No

IMDG
UN Number: None
Class: None
Packing Group: None
EMS Number: None
Proper Shipping Name: Not regulated for transportation

IATA
UN Number: None
Class: None
Packing Group: None
Proper Shipping Name: Not regulated for transportation

SECTION 15: Regulatory information

Component	CAS no.	EC no.	TSCA (US)[1]	CA Prop. 65[2]	pfas[3]	Canada[4]	CLP[5]	Csm[6]	SVHC[7]
Ethylene glycol	107-21-1	203-473-3	P	-	-	-	-	-	-
Deionized Water	7732-18-5	-	P	-	-	-	-	-	-

[1] TSCA (US): "P"—Public list, "C"—Confidential list
[2] CA Prop. 65: "c"—cancer, "r"—reproductive harm
[3] pfas: Per- and polyfluoroalkyl substances (any pfas listing)
[4] Canada: "D"—Canadian Domestic Substances List, "N"—Canadian Non-Domestic Substances List
[5] CLP: EU table of harmonized entries, (EC) No. 1272/2008, Annex VI
[6] Csm: "p"—EU prohibited in cosmetics list, (EC) No. 1223/2009, Annex II, "r"—EU restricted in cosmetics list, (EC) No. 1223/2009, Annex III
[7] SVHC: EU Substances of Very High Concern Candidate List.

Regulation	Applicability
Massachusetts Right To Know Components (105 CMR 670)	Chemical name: 1,2-DIHYDROXYETHANE CAS number: 107-21-1 Asterisk: yes; Refs: 2,4 F9
Massachusetts Toxic Use Reduction Act (TURA) list	Chemical name: Ethylene glycol CAS number: 107-21-1 TRI listing: X-reportable; CERCLA listing: X-reportable; TURA-only listing: no; de minimis concentration threshold: 1 percent.

Regulation	Applicability
Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)	Chemical name: Ethylene glycol (ingested) CAS number: 107-21-1 Health: developmental
New Jersey Right To Know Components	Common name: ETHYLENE GLYCOL CAS number: 107-21-1
Oregon High Priority Chemicals of Concern for Children's Health (HPCCCH, ORS 431A.253)	Chemical name: Ethylene glycol CAS number: 107-21-1 (chronic effects)
Pennsylvania Right To Know Components	Chemical name: 1,2-ETHANEDIOL CAS number: 107-21-1 Listing note: E-environmental hazard.
SARA 302 Components	No chemicals in this material [Ethylene glycol] are subject to the reporting requirements of SARA Title III, Section 302.
SARA 311/312 Hazards	Acute Health Hazard: Yes Chronic Health Hazard: Yes Fire Hazard: No Sudden Release of Pressure Hazard: No Reactive Hazard: No
SARA 313 Components	This Product does not contain SARA Section 313 reportable chemicals at concentrations requiring reporting under 40 CFR Part 372.
Washington State Chemicals of High Concern to Children (WAC 173-334-130)	Chemical name: Ethylene glycol CAS number: 107-21-1
California Proposition 65 List	WARNING: This Product can expose you to ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm when ingested. For more information go to www.P65Warnings.ca.gov.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment (CSA) has not been carried out for this mixture. (Under EU REACH, CSAs are performed for substances; this product is a mixture formulated from registered substances.)

Annex: Voluntary Chemical Safety Assessment (Summary for Military and Industrial Users)
Ingestion: Ingestion of this product may be harmful due to the ethylene glycol content. Initial symptoms may resemble alcohol intoxication and can include nausea, vomiting, dizziness, headache, abdominal discomfort, drowsiness, and central nervous system depression. Delayed effects may include metabolic acidosis, cardiovascular effects, and kidney injury. Immediate medical attention is recommended following ingestion.
Eye Contact: Direct eye contact may cause mild to moderate irritation, including redness, tearing, stinging, and discomfort. Effects are generally temporary and reversible with prompt rinsing.
Skin Contact: Prolonged or repeated skin contact may cause mild irritation, redness, or drying of the skin. Significant dermal toxicity is not expected under normal industrial handling conditions, but good hygiene practices should be followed.
Respiratory Issues: Inhalation is not expected to be a significant exposure route under normal ambient-temperature use. Mists, aerosols, or heated vapors may irritate the nose, throat, and respiratory tract. Use adequate ventilation when handling heated material or during mist-generating operations.

HMIS Rating

A-A-52624A Type 1 Conc B	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA Rating

SECTION 16: Other information

This Safety Data Sheet has been revised as of the issue date indicated in the footer. Changes may include updates to composition, hazard classification, physical and chemical properties, toxicological information, and regulatory data. Previous versions should be discarded. Users are advised to review the entire document to ensure awareness of current information.

16.1 Further information/disclaimer

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the recipients will make their own determination as to its suitability for their intended purposes prior to use. The conditions of use, handling, storage, and disposal of this product are beyond the control of the Company and may involve variables and conditions that cannot be anticipated. The user is solely responsible for determining safe and appropriate conditions of use, including compatibility with other materials and compliance with all applicable federal, state, and local regulations. This product may react with other materials or under certain conditions to produce hazardous or unintended results. It is the responsibility of the user to evaluate and control such risks prior to use. The information provided in this Safety Data Sheet is based on current knowledge and is intended solely as guidance for safe handling, use, processing, storage, transportation, and disposal. It is not to be construed as a guarantee, product specification, or quality specification and does not establish a legally binding contractual relationship. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

16.2 Preparation information

Prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200), as revised in 2024, and aligned with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), Revision 7.