JMN SPECIALTIES, INC.
1100 Victory Drive - Westwego, LA 70094
PO Box 189 - Westwego, LA 70096

PRODUCT BULLETIN

A-A-52624A Type I Conc B

Antifreeze for Severe Cold-Weather Military Service

General Description

A-A-52624A Type I Conc B is a fully formulated heavy-duty ethylene glycol engine coolant and antifreeze manufactured to conform to the performance requirements of Commercial Item Description (CID) A-A-52624A, Type I. **A-A-52624A Type I Conc B** contains approximately 60% ethylene glycol by volume and is supplied ready for use without further dilution. The Product is engineered for severe cold-weather operation and provides outstanding freeze protection, boil-over protection, cavitation resistance, and long-term corrosion protection for mixed-metal engine cooling systems. An advanced heavy-duty corrosion inhibitor package protects aluminum, cast iron, steel, copper, brass, solder, and other cooling system metals commonly found in military and industrial equipment operating under demanding environmental conditions.

Features and Benefits

A-A-52624A Type I Conc B provides approximately 60% ethylene glycol by volume to deliver exceptional freeze protection for operation in severe cold-weather, arctic, and sub-arctic environments while maintaining efficient heat transfer and dependable cooling system performance. The balanced corrosion inhibitor system protects ferrous and non-ferrous metals against rust, corrosion, scale formation, and cavitation erosion, extending the service life of engine cooling system components. Supplied as a ready-to-use formulation, **A-A-52624A Type I Conc B** eliminates field mixing errors and ensures consistent coolant concentration for reliable performance in military and heavy-duty applications. The low-volatility formulation minimizes coolant loss during operation while providing dependable long-term storage stability and extended equipment protection.

Applications

A-A-52624A Type I Conc B is intended for military tactical vehicles, armored vehicles, transport vehicles, engineering and construction equipment, diesel and gasoline-powered generators, marine support equipment, and other heavy-duty engine cooling systems requiring compliance with Commercial Item Description A-A-52624A Type I. The Product is specifically formulated for equipment operating in severe cold-weather, arctic, and sub-arctic environments where maximum freeze protection, corrosion control, and dependable cooling system performance are critical to mission readiness.

Directions for Use

A-A-52624A Type I Conc B is supplied ready for use and should not be diluted unless specifically directed by the applicable equipment maintenance manual or equipment manufacturer. Drain and flush the cooling system before filling with fresh coolant when converting from another coolant or during scheduled maintenance. Fill the cooling system in accordance with the applicable maintenance procedures, remove trapped air as required, and verify coolant level after the engine has reached normal operating temperature and cooled. Inspect coolant condition periodically and maintain the proper coolant level throughout the recommended service interval.

The information contained herein is provided in good faith, but shall not create any warranty, expressed or implied, by operation of law or otherwise, with any respect to any product.
JMN SPECIALTIES, INC. SPECIFICALLY DISCLAIMS ALL WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Phone (504) 341-3749 Fax (504) 341-5868 or E-mail: sales@jmnspecialties.com

Compatibility

A-A-52624A Type I Conc B is compatible with cooling systems constructed of cast iron, steel, aluminum, copper, brass, solder, and other commonly used engine cooling system metals. The Product is also compatible with conventional cooling system hoses, seals, gaskets, and elastomeric materials used in military and heavy-duty equipment. For maximum corrosion protection and service life, mixing with other coolant technologies should be avoided unless compatibility has been verified.

Environmental and Regulatory Information

A-A-52624A Type I Conc B contains no intentionally added PFAS and contains no volatile organic compounds (VOC). When shipped as supplied, the Product is not regulated as a hazardous material under U.S. DOT, IMDG, or IATA transportation regulations. Waste coolant should be collected and managed in accordance with applicable federal, state, local, and military environmental requirements. Prevent uncontrolled release to soil, surface water, or storm drainage systems.

Physical Properties

Appearance	Clear Green Liquid
Odor	Mild Glycol Odor
Ethylene Glycol Content	Approximately 60% by Volume
Density	1.075–1.085
Freeze Point	Approximately -62°F (-52°C)
Boiling Point	Approximately 219°F (104°C)
pH	10.3–11.0
Water Solubility	Complete
VOC Content	0%
Flash Point	None Expected for Mixture

(Typical values; not a specification)

Availability

A-A-52624A Type I Conc B is available in UN approved 5-gallon pails, and 55-gallon drums and bulk quantities.

Handling and Safety

Avoid ingestion and contact with eyes, skin, and clothing. Avoid breathing mists generated during spraying or high-pressure application. Use **A-A-52624A Type I Conc B** with adequate ventilation and wear appropriate personal protective equipment, including safety glasses and chemical-resistant gloves. Wash thoroughly after handling and keep containers tightly closed when not in use. Because the Product contains ethylene glycol, accidental ingestion may result in serious injury or death. Store out of reach of children and animals. Refer to the current Safety Data Sheet (SDS) for complete health, safety, handling, storage, transportation, and emergency response information.

The information contained herein is provided in good faith, but shall not create any warranty, expressed or implied, by operation of law or otherwise, with any respect to any product.
JMN SPECIALTIES, INC. SPECIFICALLY DISCLAIMS ALL WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Phone (504) 341-3749 Fax (504) 341-5868 or E-mail: sales@jmnspecialties.com