

Section 1 – Identification

Product Identifier

Defense™ Coolant Anti-Freeze with Ethylene Glycol

Other Means of Identification

927B

Recommended Use of the Chemical and Restrictions on Use

See product label

Responsible Party

Dynaflux, Inc.

241 Brown Farm Rd., Cartersville, GA 30120

1.800.334.4420

Emergency Phone Number

Call Chem-Tel at 1.800.255.3924 for chemical emergencies

Section 2 – Hazard Classification

Classification of the Chemical

This chemical is not considered hazardous in accordance with OSHA Hazard Communication Standard 2012.

Signal Word

Not applicable

Hazard Statement(s)

Not applicable

Pictograms

Not applicable

Precautionary Statement(s)

Not applicable

Hazards Not Otherwise Classified

None known

Note

Labeling elements found on this SDS may be different from labeling elements found on the label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency. Please contact the responsible party in Section 1 if you have any questions.

0% of this mixture consists of ingredient(s) of unknown acute toxicity

Section 3 – Composition on Ingredients

Ingredient	CAS	%wt	Hazards
Ethylene Glycol	107-21-1	10-30	Acute Toxicity 4 (oral)

Trade Secret Claim

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions.

Note

This product may contain other ingredients that are not required to be disclosed on this safety data sheet or product label in accordance with 19 CFR §1910.1200. Any ingredient not listed on either the SDS or label is not considered hazardous to health and shouldn't pose a risk to the user.

Section 4 – First Aid Measures

General First Aid Measures

If medical attention is required then provide product label or safety data sheet to a medical professional.

Most Important Symptoms

Ethylene glycol is toxic when ingested at sufficient quantities

If Inhaled

Move person to fresh air and keep comfortable for breathing. Administer artificial respiration if person is not breathing.

If on Skin

Wash with soap and water. Take off contaminated clothing and launder with detergent before reuse.

If Swallowed

Do NOT induce vomiting unless instructed to do so by a trained medical professional. Rinse mouth with water.

Section 5 – Fire-Fighting Measures

Suitable Extinguishing Media

Water spray, powder, alcohol-resistant foam, carbon dioxide.

Unsuitable Extinguishing Media

None known.

Special Protective Equipment for Fire-Fighters

Use a self-contained breathing apparatus.

Section 6 – Accidental Release Measure

Personal Precautions

Ensure that the environment is physically safe to be in. Wear personal protective equipment before remedying an accidental release of mixture.

Protective Equipment

Wear gloves suitable for chemical resistance. Wear protective eye glasses/goggles. In the event of inadequate air ventilation use artificial breathing apparatuses.

Emergency Procedures

Evacuate all non-essential personnel from the area. Shut off all sources of ignition. Ensure that all drains are covered to prevent environmental exposure. Follow methods found in next sub-section: Methods for Containment and Clean Up

Section 7 – Handling and Storage

Precautions for Safe Handling

Keep in original container before and after use. Read product label thoroughly and follow directions as provided in each label's Directions section. Wear protective equipment suggested in Section 8 even if product label does not recommend use of protective equipment.

Conditions for Safe Storage

Store in all original containers/packaging as product label contains important information regarding proper use of chemical. Keep away from heat. Store appropriate to NFPA ratings found in Section 15 of this SDS.

Indication of Immediate Medical Attention

Not anticipated to require immediate medical attention.

If in Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Rinse for at least 10 minutes to ensure proper flushing of material from eye.

Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products

Not determined.

Precautions for Fire-Fighters

None known.

Methods for Containment and Clean Up

Small spill: Soak up with absorbent material, i.e. kitty litter, clay or dirt. Sweep up and place in a labeled closed container.

Large spill: Keep unauthorized people from the area. Use self-contained breathing apparatus. Absorb residue and sweep up. Place in a closed, labeled container. Remove all ignition sources. Prevent product from entering sewers, rivers, or other bodies of water.

References

See Section 7 on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Storage Incompatibilities

None known.

Section 8 – Personal Protection

Exposure Limits

Ingredient	CAS	PEL	ACGIH	NIOSH
Ethylene Glycol	107-21-1	n/a	25 ppm	n/a

General Note

Practice good industrial hygiene by washing hands thoroughly before and after use. Keep working areas clean. Ensure proper use of personal protective equipment as recommended in this section.

Appropriate Engineering Controls

Ensure adequate mechanical ventilation capable of preventing vapor build up.

Eye Protection

Eye glasses or goggles are recommended when using this product. Eye protection should fit user as to minimize risk of exposure as much as possible. Eye protection should protect against splash back and aerosolized mists which may affect eyes.

Skin Protection

Wear long sleeves and pants to minimize exposure to skin. Wear protective gloves when using this product. Gloves should be chemically resistant to the material. Launder contaminated clothing before reuse. Wear an apron if usage of chemical is anticipated to expose user to a large quantity of material.

Respiratory Protection

Mechanical ventilation is often sufficient for ensuring respiratory systems are better protected against exposure to material; however, should it be determined that material exposure limits are being concentrated as vapors then local ventilation should be utilized. If vapors exceed TLV use an approved respirator.

Section 9 – Chemical Properties

Appearance	Colorless liquid
Odor	Sweet
Odor Threshold	Not determined
pH	Not determined
Melting Point	9°F
Boiling Point	Not determined
Flash Point	>232°F
Evaporation Rate	Not determined

Flammability	Not determined
Upper Explosive %	Not determined
Lower Explosive %	Not determined
Vapor Density	2.14 (air=1)
Relative Density	Not determined
Solubility	Fully soluble
Partition Coefficient	Not determined
Auto-Ignition Temp	748°F

Section 10 – Stability and Reactivity

Reactivity

Material is not anticipated to be reactive

Chemical Stability

Material is anticipated to be stable in normal storage conditions when not exposed to any incompatible materials

Possibility of Hazardous Reactions

None known

Conditions to Avoid

Excessive heat, incompatible materials

Incompatible Materials

Oxidizing agents

Hazardous Decomposition Products

Not determined

Section 11 – Toxicological Information

Acute Toxicity Estimates

Oral – >4,000 mg/kg bw (not toxic)

Dermal – Contains no ingredient(s) considered toxic

Inhalation - Contains no ingredient(s) considered toxic

Skin Sensitization

Contains no ingredient(s) which poses a risk in this category

Aspiration Hazard

Contains no ingredient(s) which poses a risk in this category

Carcinogenicity

Contains no ingredient(s) which poses a risk in this category

Eye Damage/Irritation

Contains no ingredient(s) which poses a risk in this category

Germ Cell Mutagenicity

Contains no ingredient(s) which poses a risk in this category

Reproductive Toxicity

Contains no ingredient(s) which poses a risk in this category

Respiratory Sensitization

Contains no ingredient(s) which poses a risk in this category

Skin Corrosion/Irritation

Contains no ingredient(s) which poses a risk in this category

Section 12 – Ecological Information

Ecotoxicity Estimated Values

Algae	Contains no ingredient(s) considered toxic
Fish	Contains no ingredient(s) considered toxic
Crustacea	Contains no ingredient(s) considered toxic

Persistence and Degradability

Not biodegradable

Specific Target Organ Toxicity – Repeated Exposure

Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Single Exposure

Contains no ingredient(s) which poses a risk in this category

Delayed and Immediate Effects From Short- and Long-Term Exposure

Not determined

Symptoms related to the Chemical Characteristics

Not determined

National Toxicology Program Listing

No applicable ingredient(s)

International Agency for Research on Cancer Listing

No applicable ingredient(s)

Section 13 – Disposal Consideration

Disposal of Empty Containers

Empty container can be recycled.

Disposal of Material

Dispose of full or partially full containers by offering material to a licensed waste management company and follow all local regulations on proper disposal of material.

Section 14 – Transportation Information

Hazard Placards	UN Number	n/a
Not regulated	UN Shipping Name	n/a
	UN Technical Name	n/a
	Hazard Class	n/a
	Packaging group	n/a
	Limited Quantity	n/a
	Marine Pollutant	No
	Transport in Bulk	Not determined.
	Special Precautions	Keep in original container. Do not store excessive weight on top.

Section 15 – Regulatory Information

SARA 311	No applicable ingredient(s).
SARA 312/313	Ethylene Glycol

TSCA Inventory List

All ingredients in this mixture are on the TSCA inventory list as active or exempt.

California

Prop65	Ethylene Glycol (Reproductive Toxicity)
ARB Designation	Not applicable
VOC Limit	Not applicable

HMIS®III (higher numbers indicate higher risk)

Health	2
Flammability	0
Physical Hazard	0

NFPA (higher numbers indicate higher risk)

Health	2
Flammability	1
Instability	0

Section 16 – Other Information

Revision History

February 2024	SDS Review and re-authoring
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General Disclaimer

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