



MATERIAL SAFETY DATA SHEET

Purple Ice Coolant Additive

12/5/2018

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Purple Ice
Product Use: Engine Coolant Additive
Manufacturer/Supplier: Royal Purple, LLC
1 Royal Purple Lane, Porter, TX 77365 USA
Phone Number: 281-354-8600
24 Hour Emergency Numbers: USA: 800-424-9300 International: 703-527-3887 (collect calls accepted)
Validation Date: April, 02, 2014
Product Type: Liquid

Section 2: HAZARDS IDENTIFICATION

Route of entry: Skin absorption, inhalation, eye contact, ingestion.
Target organs: None known.
Inhalation: No hazard.
Skin contact: Prolonged contact with skin can cause irritation.
Eye contact: Will cause irritation upon contact.
Ingestion: Irritating to mouth, throat, and stomach. May cause discomfort, nausea, vomiting, and diarrhea.
Carcinogenicity: Product is not considered a carcinogen by OSHA, NTP, or IARC.
Medical Conditions: Pre-existing eye or skin conditions may be aggravated by over-exposure to this product.

Royal Purple ICE
Cooling System
Optimizer & Conditioner

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Sodium borate	1330-43-4	Less than 1.0%
Sodium nitrite	7632-00-0	Less than 1.0%
Sodium silicate	6834-92-0	Less than 1.0%
Sodium nitrate	7631-99-4	Less than 1.0%
Water	7789-20-0	Greater than 50%

Section 4: FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention. Inhalation hazard unlikely due to low volatility of product.
Skin contact: Wash area with soap and water. Seek medical attention if irritation persists.
Eye contact: Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention.
Ingestion: Induce vomiting. Only give CONSCIOUS victim two glasses of water and seek medical attention. NEVER give unconscious victim anything by mouth.

Section 5: FIRE FIGHTING MEASURES

Flash point: None.

Product will not support combustion.

Section 6: ACCIDENTAL RELEASE MEASURES

SPILL/LEAK PROCEDURES: Notify safety personnel, evacuate all unnecessary, and provide adequate ventilation. If feasible, and without risk, cleanup personnel should stop leak. All cleanup personnel should wear proper personal protective equipment.

SMALL SPILLS: Flush to waste with large quantities of water.

LARGE SPILLS: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Residual may be flushed to waste with large quantities of water.

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Section 7: HANDLING AND STORAGE

Handling Precautions: Wash thoroughly after handling. Do not get into eyes, on skin, or on clothing. Do not swallow. When using do not eat or drink.

Storage Requirements: Store in clean, dry locations away from excessive heat or freezing. Keep container closed.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Eye wash station and safety shower.
Strong general ventilation or local exhaust.

Protection Equipment: EYE: Chemical splash goggles with indirect or no ventilation.
SKIN: Chemical resistant gloves such as nitrile.
RESPIRATORY: Organic vapor air purifying respirator if vapors are a nuisance, or if the concentrations are above POV or TLV.
Never eat or drink in the work area.

Exposure Guidelines/Other: Never eat or drink in the work area.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple Liquid	Boiling Point:	216 F
Physical State:	Liquid	Freezing/Melting Pt.:	29 F
Odor:	None	Solubility:	Complete
pH:	10.8	Spec Grav./Density:	1.042
Vapor Density:	>10.5		

Section 10: STABILITY AND REACTIVITY

Stability: Material is stable.

Conditions to avoid: Excessive heat and incompatible materials.

Incompatible materials: Acids.

Hazardous decomposition products: Carbon monoxide and carbon dioxide.

Hazardous polymerization: Cannot occur.

Section 11: TOXICOLOGICAL INFORMATION

LD50

Sodium Nitrite: 120 mg/kg (oral)
Sodium Borate: 3200 mg/kg (oral)

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence/Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

As a waste, this product in its raw form DOES NOT MEET the criteria of a hazardous waste as defined by RCRA (40CFR361).

Dispose of in accordance with all applicable state, federal and local regulations.

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Section 14: TRANSPORTATION INFORMATION

DOMESTIC: Not regulated.
EXPORT: Not regulated.

Section 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA: Considered to be a hazardous material as defined by 29CFR1910.1200

EPA SARA TITLE III

Section 311-312 (40CFR370): If stored in excess of the threshold quantities, this product should be reported as a(n):

IMMEDIATE (acute) HEALTH HAZARD

Section 313 (40CFR372): This product does not contain ingredients which are subject to the reporting requirements of SARA 313.

NFPA 704M RATING:

HEALTH: 1 FIRE: 0 REACTIVITY: 0 SPECIAL:

0=INSIGNIFICANT 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME

Section 16: OTHER INFORMATION

NEW JERSEY RIGHT-TO-KNOW: This product contains the following ingredients that are non-hazardous, but are among the top five ingredients in this product:

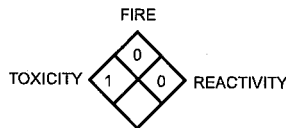
-----CAS#-----

7632-00-0: Sodium Nitrite

1330-43-4: Sodium Borate

USERS RESPONSIBILITY: This MSDS provides environmental, health, and safety information. This product is to be used in applications consistent with our product literature and container label. Individuals handling this product should be informed to the recommended safety precautions and have access to this MSDS. Please contact your local sales representative for further information.

NFPA SYMBOL



HMIS SYMBOL

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PPI	

-----END OF MSDS DOCUMENT-----