

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/17/2011  
MSDS No: PURPLEICE-111711

## Purple Ice®

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Purple Ice®  
**CHEMICAL FAMILY:** Radiator Additive

#### MANUFACTURER

Royal Purple, Inc.  
One Royal Purple Lane  
Porter, TX 77365  
**Emergency Phone:** 281-354-8600

#### DISTRIBUTOR

Royal Purple Oils Australia Pty Ltd  
41/2 Richard Close  
North Rocks  
Sydney, NSW 2151  
(612) 9683 5078 (0417 438279, Cell Phone)  
**Emergency Contact:** Eian Jones

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**USA :** 800-424-9300  
**International :** 703-527-3887(collect calls accepted)

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** Will cause irritation upon contact.

**SKIN:** Prolonged contact with skin can cause irritation.

**INGESTION:** Irritating to mouth, throat, and stomach. May cause discomfort, nausea, vomiting, and diarrhea.

**INHALATION:** Mist may irritate breathing passages making breathing difficult.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Borates, Tetra, Sodium Salts-anhydrous	> 1	1330-43-4	
Sodium Nitrite	< 1	7632-00-0	
Silicic Acid (h <sub>2</sub> sio <sub>3</sub> ), Disodium Salt	< 1	6834-92-0	229-912-9
Sodium Nitrate	< 1	7631-99-4	
Water	> 50	7732-18-5	231-791-2

### 4. FIRST AID MEASURES

**EYES:** Flush with water until all residual material is gone. If irritation persists, seek medical help.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Induce vomiting. Only give CONCIOUS victim two glasses of water and seek medical attention. NEVER give unconcious victim anything by mouth.

**INHALATION:** Clear air passage. If respiratory difficulty continues, seek medical help.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** None

**COMMENTS:** Product will not support combustion.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped.

### ENVIRONMENTAL PRECAUTIONS

**LAND SPILL:** Do not allow it to enter drains.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear gloves and protective overalls.

## 7. HANDLING AND STORAGE

**HANDLING:** 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:** Do not store at elevated temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
		EXPOSURE LIMITS	
		OSHA PEL	
Chemical Name		ppm	mg/m <sup>3</sup>
Borates, Tetra, Sodium Salts-anhydrous	TWA		10

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles with indirect or no ventilation.

**SKIN:** Chemically resistant gloves such as nitrile.

**RESPIRATORY:** Hydrocarbon absorbing respirator if misting.

**PROTECTIVE CLOTHING:** Protective work clothing.

**COMMENTS:** Never eat or drink in the work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** None

**COLOR:** Purple

**pH:** 11

**VAPOR DENSITY:** Greater than air

**BOILING POINT:** 102°C (216°F)

**FREEZING POINT:** -2°C (29°F)

**FLASH POINT AND METHOD:** None

**SOLUBILITY IN WATER:** Complete

**SPECIFIC GRAVITY:** 1.042

## 10. STABILITY AND REACTIVITY

**STABILITY:** Chemically stable under normal conditions. No photoreactive agents.

**POLYMERIZATION:** None

**CONDITIONS TO AVOID:** Powerful sources of ignition and extreme temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**INCOMPATIBLE MATERIALS:** Strong inorganic and organic acids, oxidizing agents.

**11. TOXICOLOGICAL INFORMATION**

**CHRONIC:** None known.

**SUBCHRONIC:** Not known

**CARCINOGENICITY**

**IARC:** No

**NTP:** No

**OSHA:** No

**SENSITIZATION:** Not known

**GENERAL COMMENTS:** LD50 Sodium Nitrite: 120 mg/kg (oral)

Sodium Borate: 3200 mg/kg (oral)

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** Not Available

**ECOTOXICOLOGICAL INFORMATION:** Not Available

**BIOACCUMULATION/ACCUMULATION:** Not Available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Consider recycling. This product, as sold, does not meet the RCRA characteristics of a hazardous waste. Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets the RCRA criteria for hazardous waste. Contact a waste disposal company or local authority for advice.

**EMPTY CONTAINER:** See waste disposal section listed above.

**RCRA HAZARD CLASS:** Nonhazardous sources

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**UN/NA NUMBER:** N/A

**OTHER SHIPPING INFORMATION:** Nonhazardous

**ROAD AND RAIL (ADR/RID):** Bulk Nonhazardous

**AIR (ICAO/IATA):** Bulk Nonhazardous

**VESSEL (IMO/IMDG):** Bulk Nonhazardous

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Acute health hazard if stored in excess of the threshold quantities.

**ACUTE:** Yes

**313 REPORTABLE INGREDIENTS:** None

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt. %	CERCLA RQ
Sodium Nitrite	< 1	100

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Sodium Nitrite	7632-00-0
Water	7732-18-5

**TSCA REGULATORY:** All components are listed

**CALIFORNIA PROPOSITION 65:** N/A

**CANADA**

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components are listed

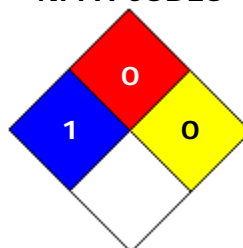
## 16. OTHER INFORMATION

**PREPARED BY:** W. Carter

### HMIS RATING

HEALTH		1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

### NFPA CODES



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