# MATERIAL SAFETY DATA SHEET

## **Radiator Specialty Company**

1900 WILKINSON BLVD. CHARLOTTE, NC 28208 (704) 377-6555

POISON INFORMATION & EMERGENCY: 303-623-5716

#### MATERIAL SAFETY DATA SHEET

### May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

#### US DEPARTMENT OF LABOR

Occupational Safety and Health Administration. (Non-Mandatory Form) Form Approved OMB No. 1218-0072

### **SECTION I GENERAL INFORMATION**

PRODUCT NAME ENGINE BRITE® HEAVY DUTY ENGINE CLEANER

PART NUMBER EB 1

NOTE: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

### SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Ethoxylated Nonyl Phenol 3-5 9016-45-9 Not available  Aliphatic Petroleum  Distillate* 80-88 68476-34-6 500 ppm (Air)  Aromatic Petroleum  Distillate 6-9 64742-94-5 100 ppm (Air)  2 Butoxy, Ethanol * 1-2 111-76-2 25 ppm (Skin)  Alkyl Aryl Sulfonate <1 78330-12-8 5 mg/m3				
Aliphatic Petroleum  Distillate* 80-88 68476-34-6 500 ppm (Air)  Aromatic Petroleum  Distillate 6-9 64742-94-5 100 ppm (Air)  2 Butoxy, Ethanol * 1-2 111-76-2 25 ppm (Skin)  Alkyl Aryl Sulfonate <1 78330-12-8 5 mg/m3	COMPONENT	WT%	C.A.S. NO.	TLV (ACGIHOSHA)
Distillate*       80-88       68476-34-6       500 ppm (Air)         Aromatic Petroleum       500 ppm (Air)         Distillate       6-9       64742-94-5       100 ppm (Air)         2 Butoxy, Ethanol *       1-2       111-76-2       25 ppm (Skin)         Alkyl Aryl Sulfonate       <1	Ethoxylated Nonyl Phenol Aliphatic Petroleum	3-5	9016-45-9	Not available
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, ,	2 Butoxy, Ethanol *	1-2	111-76-2	25 ppm (Skin)
Carbon Dioxide (Propellant) 1-3 124-38-9 5000 ppm(Air)	Alkyl Aryl Sulfonate	<1	78330-12-8	5 mg/m3
	Carbon Dioxide (Propellant)	1-3	124-38-9	5000 ppm(Air)

<sup>\*</sup> THIS CHEMICAL IS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 SARA TITLE III.

Warning: This product contains a chemical known to the state of California to cause cancer or birth defects or other reproductive harm.

Comments:

Components not identified are non-hazardous according to 29 CFR 1910.1200

## SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H<sub>2</sub>O=1) .86 N/A Solubility in Water **Emulsifies** Solubility in Solvent Petroleum 165° (TCC) Flash Point (Method) - F<sup>0</sup> % Volatiles By Wt. 90% Boiling Point - F<sup>0</sup> Melting Point - F<sup>0</sup> N/A 305 Vapor Pressure (mmHg) Not available Vapor Density (Air=1) 1.2 **Evaporation Rate (Butyl Acetate=1)** N/A Appearance and Odor Amber liquid with petroleum odor.

#### SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Caution: COMBUSTIBLE!

Water Fog X Foam X CO<sub>2</sub> X Dry Chemical X

SPECIAL FIRE FIGHTING PROCEDURES. Wear self-contained, positive pressure breathing apparatus and protective clothes. Cool containers with water spray. Use shield to protect from venting or bursting cans.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** At elevated temperatures containers may vent, rupture or burst, even violently

#### **SECTION V REACTIVITY DATA**

Stable X	Unstable	Corrosive NO	Hazardous Polymerization? Yes	No X
Incompatibilit	ies Strong oxidizing agents.			
Hazardous Decomposition or Byproducts High temperatures and ignition sources produce products of combustion: carbon monoxide, sulfur-like smoke.				

## **SECTION VI HEALTH HAZARD INFORMATION**

EYE CONTACT	Severe irritant. Prolonged exposure	SKIN	CONTACT Irritant, defatting. Over exposure
	may cause eye burns.		may cause dermatitis
INHALATION	Over exposure may cause nausea, headache and respiratory irritation	INGESTION	HARMFUL OR FATAL IF SWALLOWED!

## SECTION VII EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	Flush with water for at least 15 minutes. If adverse symptoms persist, consult a physician immediately.
SKIN CONTAC	√ Wash with soap and water thoroughly. Remove contaminated clothing and launder before reuse.
INHALATION M	ove to fresh air immediately. Consult a physician if adverse effects continue.
INGESTION	Drink water. DO NOT INDUCE VOMITING! Consult a physician immediately. DO NOT ADMINISTER ADRENALINE OR EPINEPHRINE!

#### SECTION VIII SPECIAL PROTECTION INFORMATION

	CONSUMER	BULK HANDLING (Prolonged Exposure)
RESPIRATORY PROTECTION	N/A	NIOSH approved respirator.
VENTILATION	Use with adequate ventilation.	General
EYE PROTECTION	Goggles	Fully protective goggles or face shield.
PROTECTIVE CLOTHING	N/A	Solvent resistant gloves and apron.

#### SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

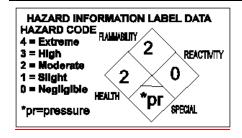
SPILL OR LEAK PROCEDURE Observing health hazards described above, ventilate area, remove ignition sources.

Flush residue with water, confine spill and place in drum.

WASTE DISPOSAL METHOD Dispose of in accordance with all applicable government laws and regulations.

STORAGE AND HANDLING PRECAUTIONS Store in cool place away from ignition sources

OTHER PRECAUTIONS COMBUSTIBLE! KEEP AWAY FROM CHILDREN AND ANIMALS! Wearing of contact lenses is inadvisable. Do not puncture or incinerate containers.



Supersedes JUNE 1998

OSHA Revised JUNE 2000

Title R. Geer-CHEMIST

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification.