

# MATERIAL SAFETY DATA SHEET

## Radiator Specialty Company

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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

<b>PRODUCT NAME</b>	ENGINE BRITE ® ENGINE CLEANER
<b>PART NUMBER</b>	EB 2A

**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

COMPONENT	WT%	C.A.S. NO.	TLV (ACGIH--XXX-----OSHA-----)
Aromatic Petroleum Distillate <sup>1</sup>	8-12	64742-94-5/64742-95-6	50 ppm (Air)
Amine Alkylaryl Sulfonate	1-2	139-96-8	N/A
2 Butoxyethanol <sup>1</sup>	2-5	111-76-2	25 ppm (skin)
Triethanolamine	1-2	102-71-6	5mg/m <sup>3</sup> TWA-OSHA (mist)

<sup>1</sup> THIS CHEMICAL IS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313, SARA III

### 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)	.99-1.0	pH	9-10
Solubility in Water	Emulsifies	Solubility in Solvent	Soluble
Flash Point (Method) - F <sup>0</sup>	170 <sup>0</sup> F (TCC)	% Volatiles By Wt.	>85
Melting Point - F <sup>0</sup>	N/A	Boiling Point - F <sup>0</sup>	190
Vapor Pressure (mm Hg)	NDA	Vapor Density (Air=1)	>1
Evaporation Rate (Butyl Acetate=1)	>1		
Appearance and Odor	Hazy cream with sweet, aromatic odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

### EXTINGUISHING MEDIA:

Water Fog	X	Foam	X	CO <sub>2</sub>	X	Dry Chemical	X
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**SPECIAL FIRE FIGHTING PROCEDURES.** Wear self-contained, positive pressure breathing apparatus and protective clothes. Cool containers with water spray.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** None

**SECTION V REACTIVITY DATA**

Stable	XXX	Unstable	Corrosive	NO	Hazardous Polymerization?	Yes	No	XXX
<b>Incompatibilities</b>		Oxidizing agents and acids. Keep away from high temperatures or open flame.						
<b>Hazardous Decomposition or Byproducts</b> Fire: Normal products of combustion: carbon monoxide, carbon dioxide and nitrogen oxides.								

**SECTION VI HEALTH HAZARD INFORMATION**

<b>Recommended TLV of Product</b>	25 ppm
<b>EYE CONTACT</b> Irritant. Prolonged contact may cause conjunctivitis.	<b>SKIN CONTACT</b> Irritant. Defatting of skin tissue, dermatitis may occur.
<b>INHALATION</b> Irritant to mucus membranes. Repeated exposure may cause narcosis.	<b>INGESTION</b> HARMFUL OR FATAL IF SWALLOWED! May cause burns to mouth, throat, and stomach.
<b>OTHER</b> Absorption of high concentration may lead to kidney and liver damage.	

**SECTION VII EMERGENCY AND FIRST AID PROCEDURES**

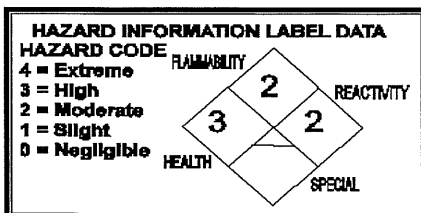
<b>EYE CONTACT</b>	Flush with water thoroughly for at least 15 minutes, while lifting eyelids. Consult a physician immediately.
<b>SKIN CONTACT</b>	Wash with soap and water thoroughly. If adverse effects persist, consult a physician immediately.
<b>INHALATION</b>	Remove to fresh air immediately. If adverse conditions persist, consult a physician.
<b>INGESTION</b>	DO NOT INDUCE VOMITING! Do not administer Epinephrine or Adrenaline. Get medical attention immediately

**SECTION VIII SPECIAL PROTECTION INFORMATION**

CONSUMER		BULK HANDLING (Prolonged Exposure)
<b>RESPIRATORY PROTECTION</b>	N/A	If TLV is exceeded, wear NIOSH approved respirator.
<b>VENTILATION</b>	Use with adequate ventilation.	General.
<b>EYE PROTECTION</b>	N/A	Goggles or full face shield.
<b>PROTECTIVE CLOTHING</b>	N/A	Wear neoprene gloves.

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

<b>SPILL OR LEAK PROCEDURE</b>	Observing health hazards described above, ventilate area, remove ignition sources, confine spill, Wipe up with rags or use dry absorbent and transfer a waste drum.
<b>WASTE DISPOSAL METHOD</b>	<i>Dispose of in accordance with all applicable government laws and regulations.</i>
<b>STORAGE AND HANDLING PRECAUTIONS</b>	Store in cool place away from oxidizers and acids.
<b>OTHER PRECAUTIONS</b>	KEEP AWAY FROM CHILDREN AND ANIMALS! Wearing contact lenses is inadvisable.



Supersedes OCTOBER 1997

OSHA Revised MARCH 1999

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.*