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*North America's Leader in Hazardous Material Information Management*

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## MSDS PRODUCT INFORMATION

Date: 09/15/2009  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

**MSDS NOT REQUIRED**

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

**MSDS DISCONTINUED PRODUCT**

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

**MSDS BEST COPY AVAILABLE**

The MSDS attached is the best copy available from the manufacturer.

**MANUFACTURER NO LONGER IN BUSINESS**

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Radiator Specialty Company

Product Name: Foaming Engine Degreaser (Aerosol) (DISCONTINUED)

# 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

<b>PRODUCT NAME</b>	FOAMING ENGINE DEGREASER.(AEROSOL)
<b>PART NUMBER</b>	BUNF -1/6

**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-----OSHA-----)
2-Butoxy-1 Ethano1 *	4-5	111-76-2	25 ppm (Skin)
Aliphatic Petroleum Distillate	5-6	8008-20-6	100 ppm (Air)
Aromatic Petroleum * Distillate	5-6	64742-95-6	100 ppm (Air)
Isobutane/Propane	7-8	NDA	1000 ppm

\* THESE CHEMICALS ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313, SARA TITLE III

**Comments:** N.F.P.A. AEROSOL LEVEL 1

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

### SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Specific Gravity (H<sub>2</sub>O=1)</b>	0.97-0.98	<b>pH</b>	9-10
<b>Solubility in Water</b>	Emulsifies	<b>Solubility in Solvent</b>	Partially soluble
<b>Flash Point (Method) - F<sup>0</sup></b>	15 <sup>0</sup>	<b>% Volatiles By Wt.</b>	98%
<b>Melting Point - F<sup>0</sup></b>	N/A	<b>Boiling Point - F<sup>0</sup></b>	N/A
<b>Vapor Pressure (mm Hg)</b>	90 psig @ 130 <sup>0</sup> F	<b>Vapor Density (Air=1)</b>	1.1
<b>Evaporation Rate (Butyl Acetate=1)</b>	.75		
<b>Appearance and Odor</b>	Hazy cream with sweet, aromatic-like odor.		

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

#### EXTINGUISHING MEDIA:

<b>Water Fog</b>	<b>Foam</b>	<b>CO<sub>2</sub></b>	<b>Dry Chemical</b>
	X	X	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** Contents under pressure. At elevated temperatures, containers may vent or burst violently.

## SECTION V REACTIVITY DATA

Stable X                      Unstable                      Corrosive NO                      Hazardous Polymerization? Yes                      No X

**Incompatibilities** Oxidizing agents and acids. Keep away from high temperatures or open flames.

**Hazardous Decomposition or Byproducts** Fire: normal products of combustion, carbon monoxide, carbon dioxide and Nitrogen oxides.

## SECTION VI HEALTH HAZARD INFORMATION

**Recommended TLV of Product** 25 ppm (skin)

### EYE CONTACT

Irritant. Prolonged contact may cause conjunctivitis.

### SKIN CONTACT

Irritant. Defatting of tissue, dermatitis may occur.

**INHALATION** Irritant to mucous membranes.

Repeated exposure may cause narcosis.

**INGESTION** HARMFUL OR FATAL IF SWALLOWED!

May cause burns to mouth, throat & stomach.

**OTHER** Absorption of high concentration may lead to kidney and liver damage.

## SECTION VII EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT** Flush with water thoroughly for 15 minutes while lifting eyelids. Consult a physician immediately.

**SKIN CONTACT** Wash with soap and water thoroughly. If adverse effects persist, consult a physician immediately.

**INHALATION** Remove to fresh air immediately. If adverse effects persist, consult a physician immediately.

**INGESTION** DO NOT INDUCE VOMITING! DO NOT ADMINISTER ADRENALINE OR EPINEPHRINE!  
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 and apron.

## SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

**SPILL OR LEAK PROCEDURE** Observing health hazards described above, ventilate area, remove ignition sources. Confine spill, wipe up with rags or add dry absorbent and shovel into waste drum for proper disposal.

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

**STORAGE AND HANDLING PRECAUTIONS** Caution: Contents under pressure. Store in cool place away from oxidizers.

**OTHER PRECAUTIONS** KEEP AWAY FROM CHILDREN AND ANIMALS! WEARING CONTACT LENSES IS INADVISABLE!  
DO NOT PUNCTURE OR INCINERATE CONTAINERS!

### HAZARD INFORMATION LABEL DATA

HAZARD CODE	FLAMMABILITY	REACTIVITY
4- Extreme	2	2
3- High	2	1
2- Moderate	HEALTH	*pr
1- Slight		SPECIAL
0- Negligible		
*pr=pressure		

Supersedes December 1996

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.*