

Part: FEB1 Line: NCB Desc: FOAMY BRITE

===== MATERIAL SAFETY DATA SHEET

Effective Date: 1-1-93

Revision Date: none

Foamy Engine Brite Degreaser (Aerosol)

Code: RSC

Page: 1
=====

Section 1 - Product and Company Identification

PRODUCT NAME: Foamy Engine Brite Degreaser (Aerosol)

MANUFACTURER'S NAME:

Radiator Specialty Company
1400 West Independence Blvd.
Charlette, NC 28208

EMERGENCY TELEPHONE NUMBER

MISCELLANEOUS INFORMATION
(704)377-6555

===== Section 2 - Hazardous Ingredients

COMPONENT	WT %	CAS NO.	TLV(ACGIH-----OSHA-----)
2-Butoxy-1-Ethanol*	4-5	111-76-2	25 ppm (Skin)
Aliphatic Petroleum Distillate*	5-6	8008-20-6	100 ppm (Air)
Atomatic Petroleum Distillate	5-6	64742-95-6	100 ppm (Air)
M-Pyrol	1-2	0872-50-4	NDA
Isobutane/Propane	7-8	NDA	1000 ppm

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

COMMENTS: This product does not contain more than .1% of any known
carcinogen listed by NTP, IARC, or OSHA.COMMENTS: *This chemical is subject to reporting requirements of section
313 SARA TITLE III.

===== Section 3 - Hazards Identification

RECOMMENDED TLV OF PRODUCT: 100 ppm Aromatic/Aliphatic Petroleum Distillates

EYE CONTACT: Irritant. Prolonged contact may cause conjunctivitis.

INHALATION: Irritant to mucous membranes. Repeated exposure may cause
narcosis.

SKIN CONTACT: Irritant. Defatting of skin tissue, dermatitis may occur.

INGESTION: Harmful or fatal if swallowed. May cause burns to mouth, throat &
stomach.

OTHER: Absorbtion of high concentration may lead to kidney and liver damage.

CAUTION: FLAMMABLE! (AEROSOL).

===== MATERIAL SAFETY DATA SHEET

Effective Date: 1-1-93

Revision Date: none

Foamv Engine Brite Degreaser (Aerosol)

Part: FEB1 Line: NCB Desc: FOAMY BRITE

=====
Section 4 - First Aid Measures

- EYE CONTACT: Flush with water thoroughly for at least 15 minutes, while lifting eyelids. Consult a physician if adverse effects persist.
- 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 ADRENALIN OR EPINEPHRINE! Get medical attention immediately.

=====
Section 5 - Firefighting Measures

- EXTINGUISHING MEDIA: Caution: Extremely Flammable!
Water Fog :
Foam : X
CO2 : X
Dry Chemical: X
- SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, positive pressure breathing apparatus and protective clothes. Cool containers with water spray. Shield to protect eyes from venting, rupturing and bursting cans.
- UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. At elevated temperatures, containers may vent, rupture or burst, even violently.

=====
Section 6 - Environmental Release Measures

- SPILL OR LEAK PROCEDURE: Observing health hazards described above, ventilate area, remove ignition sources. Confine spill, flush with water and transfer to waste drum.

=====
Section 7 - Handling and Storage

- STORAGE AND HANDLING PRECAUTIONS: Caution: Contents under pressure. Store in cool place away from oxidizers and acids.
- OTHER PRECAUTIONS: Keep away from children and animals! Wearing contact lenses is inadvisable! Do not puncture or incinerate containers!

=====
MATERIAL SAFETY DATA SHEET

Effective Date: 1-1-93

Revision Date: none

Foamy Engine Brite Degreaser (Aerosol)

Code: RSC

Page: 3

=====
Section 8 - Exposure Controls/Personal Protection

- CONSUMER:
- RESPIRATORY PROTECTION: N/A
- VENTILATION: Use with adequate ventilation
- EYE PROTECTION: N/A
- PROTECTIVE CLOTHING: N/A

Part: FEB1 Line: NCB Desc: FOAMY BRITE

BULK HANDLING (Prolonged Exposure):
 RESPIRATORY PROTECTION: If TLV is exceeded, wear NIOSH approved
 respirator.
 VENTILATION: General
 EYE PROTECTION: Goggles or full face shield
 PROTECTIVE CLOTHING: Wear neoprene gloves and apron.

=====
 Section 9 - Physical and Chemical Properties

SPECIFIC GRAVITY (H2O=1): 0.97-0.98
 SOLUBILITY IN WATER : Emulsifies
 FLASH POINT (Method)-F : Less than 20 Deg. F (Aero)
 MELTING POINT-F : N/A
 VAPOR PRESSURE (mmHg) : 90 psig @130 Deg. F
 EVAPORATION RATE
 (Butyl Acetate=1) : Greater than 1
 APPEARANCE AND ODOR : Hazy cream with sweet aromatic like odor.
 pH : 9-10
 SOLUBILITY IN SOLVENT : NDA
 % VOLATILES BY WT. : Greater than 85%
 BOILING POINT-F : N/A
 VAPOR DENSITY (Air=1) : Greater than 1

=====
 Section 10 - Stability and Reactivity

STABLE: X

 CORROSIVE: No

 HAZARDOUS POLYMERIZATION: No

 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 11 - Toxicological Information

Not available.

=====
 MATERIAL SAFETY DATA SHEET

Effective Date: 1-1-93 Revision Date: none
 Foamy Engine Brite Degreaser (Aerosol)
 Code: RSC Page: 4

=====
 Section 12 - Ecological Information

Not available.

=====
 Section 13 - Disposal Considerations

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

Part: FEB1 Line: NCB Desc: FOAMY BRITE

Not available.

=====
Section 15 - Regulatory Information

HAZARD INFORMATION LABEL DATA

HAZARD CODE:

4=Extreme 3=High 2=Moderate 1=Slight 0=Negligible

HEALTH : 3

FLAMMABILITY : 3

REACTIVITY : 2

SPECIAL : pr*

*Pressure

=====
Section 16 - Other Information

SUPERSEDES: November 1990

OSHA REVISED: January 1993

TITLE: I. Liebman, Tech. Director

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 your information, investigation and verification.

*** End of Report ***