

Tuff Stuff® Foam Cleaner

01 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tuff Stuff® Foam Cleaner (Aerosol)

Manufactured for:
The Armor All / STP Products Company
 1221 Broadway
 Oakland, CA 94612
 Telephone: (510)271-7000

Product Type Aerosol Foam Cleaner

Stock AS192, AS192CAN, AS194, AS197

Formula 13647-66

Emergency Phone Numbers For Medical Emergencies Call: 1-800-446-1014
 For Transportation Emergencies Call: 1-800-424-9300 (Chemtrec)

2 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Materials	Material	%	CAS #	Exposure Limit	Source
	2-Butoxyethanol	1-5	111-76-2	20 ppm TWA skin 50 ppm TWA skin	(2) (1)
	Non-Ionic Surfactant	1-5	68439-50-9 or 68131-39-5	None Established	(3)
	Isobutane (propellant)	3-7	75-28-5	None Established	(3)
Non-Hazardous Ingredients Greater Than 1%	Water	70-90	7732-18-5	None Established	(3)

None of the ingredients is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

The Permissible Exposure Limits (PEL) reported above are the pre-1989 limits that were reinstated by OSHA following a decision by the 11th Circuit Court of Appeals. These PELs are being enforced by Federal OSHA. Be aware that more restrictive limits may be enforced by some states. THE ARMOR ALL / STP PRODUCTS COMPANY recommends that the lower exposure limits be observed as reasonable worker protection.

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2 COMPOSITION / INFORMATION ON INGREDIENTS (continued)

The source for exposure limits listed above are:

1. OSHA Permissible Exposure Limit (PEL)
2. ACGIH Threshold Limit Value (TLV)
3. Both the OSHA PEL and ACGIH TLV
4. Recommended by the Manufacturer

3 HAZARDS IDENTIFICATION

Principal Hazards

Caution

- Dispenses as a white foam with a citrus odor.
- May cause minimal eye and skin irritation.
- Inhalation may be minimally irritating to mucous membranes. High concentration may cause drowsiness.
- Swallowing of the liquid product may cause nausea.

See Section 11 for complete health hazard information

KEEP OUT OF REACH OF CHILDREN

4 FIRST AID

Swallowing

If symptoms develop, get medical attention by calling a physician, Poison Control Center, or hospital emergency room.

Skin

Remove contaminated clothing. Flush skin with water. If skin irritation or redness persists seek medical attention.

Inhalation

May be mildly irritating. If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek medical attention.

Eyes

Exposed eyes should be flushed with copious amounts of water. If irritation, pain, swelling or tearing persist, seek medical attention.

Notes To Physician

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical conditions.

5 FIRE FIGHTING MEASURES

Flash Point (Method)

TOC: No Flash
PMCC: No Flash

Aerosol Flame Extension

None

Flashback

None

Aerosol Fire Protection Level

Level 1 Aerosol (NFPA30B)

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5 FIRE FIGHTING MEASURES (continued)

Upper Flammable Limit	None determined
Lower Flammable Limit	None determined
Extinguishing Media	Carbon dioxide or dry chemical for small fire. Water fog for large fire.
Special Firefighting Procedures	Use self contained breathing apparatus when entering a confined space. Cool fire exposed containers and structures with water.
Unusual Fire and Explosion Hazards	Aerosol can may explode if heated above 120°F.
Combustion Decomposition	Carbon monoxide and carbon dioxide may be produced
Auto-ignition Temperature	Not determined
Explosion Data	Propellant can form explosive mixtures with air. Aerosol cans may explode in a fire.

6 ACCIDENTAL RELEASE MEASURES

Spill	Wear appropriate personal protective equipment. Remove all sources of ignition. Collect material for disposal in a container suitable for flammable waste.
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7 HANDLING AND STORAGE

Handling Procedures	<ul style="list-style-type: none"> • WARNING: Contents Under Pressure • Use with adequate ventilation. • Do not puncture or incinerate.
Storage Procedures	<ul style="list-style-type: none"> • Do not expose to heat or store at temperatures above 120°F.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Procedures	None required for normal use conditions. Where concentrations may exceed the Threshold Limit Value, (TLV), use local exhaust, or general dilution ventilation.
Gloves Protection	Impervious gloves such as butyl rubber are recommended .

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Eye Protection Chemical safety glasses or faceshield is recommended to prevent eye contact.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION (cont'd)

Respiratory Protection None needed under normal use conditions. If the concentrations exceed the Threshold Value Limit (TLV), a NIOSH/MSHA approved full facepiece, air-supplied respirator or self-contained breathing apparatus is recommended. Equipment selection depends on containment type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Clothing Recommendation Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	18 mm Hg @ 68°F
pH	8.1-8.5
Specific Gravity	Not determined
Water Solubility	100%
Percent Volatile	98%
Vapor Density	Greater than 1
Evaporation Rate	Less than 1
Odor	Citrus odor
Appearance	Clear to slightly hazy liquid. Dispenses as a white foam.
Viscosity	Not determined.
Boiling Point	212°F
Freezing Point	32 °F

10 STABILITY AND REACTIVITY

Stability	Stable
Incompatibility	None
Polymerization	Will not occur

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Waste Disposal Dispose of in accordance with applicable federal, state and local regulations. Do not puncture or incinerate container.

14 TRANSPORT INFORMATION

U.S. DOT Non-Bulk Shipping Description Consumer Commodity

ID Number None
Hazard Class ORM - D
Packing Group None
Markings Consumer Commodity/ORM-D in a rectangle on one side
Label None
Placards None

IMDG Code Shipping Description DANGEROUS GOODS IN LIMITED QUANTITIES OF CLASS 2

ID Number NONE
Hazard Class 2
Packaging Group None
Label None
Markings NONE
Placards LIMITED QUANTITIES marking on Cargo Transfer Unit
IMDG Page # 0147-0149 GEN. INTRO.
Note: Product Intended for individual consumer or household use. (FP-None, UN1950)

Air - IATA Shipping Description Aerosols, non-flammable, n.o.s., 2.2, UN1950

Technical Name None
ID Number UN1950
Hazard Class 2.2
Packing Group None
Markings Aerosols, non-flammable, n.o.s. UN1950
Label Non-Flammable Gas

15 REGULATORY INFORMATION

U.S. TSCA Inventory/ other TSCA Regulations. All of the components of this product are listed on the TSCA inventory. This product is not subject to export notification.

SARA Ext. Haz. Subst. None.

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REGULATORY INFORMATION (continued)

SARA Section 313

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 - Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
2-Butoxyethanol (glycol ether)	111-76-2	1-5

CERCLA Hazardous Substances (Section 103)/RQ

This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California Proposition 65

This product does not contain chemicals regulated by the State of California under proposition 65.

EEC EINECS

All of the ingredients are listed on the EINECS inventory.

Australia

All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

Canada

All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

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OTHER INFORMATION

NFPA Code

Health: 1 Fire: 3 Reactivity: 0

HMIS Code

Health: 1 Fire: 3 Reactivity: 0

Precautionary Labels

Observe all requirements of plant, company or government regulations. Keep out of the reach of children. Do not take internally.

Revision Indicators

Supersedes: July 22, 1999 Revised Sections: Revised Exposure Limit (Section 2)

General

This MSDS is directed to professional users and bulk handlers of the product or its ingredients. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations and in some instances might differ from the information provided herein.