



ForceField® ScumBlaster™ Tub and Tile Cleaner Concentrate

SAFETY DATA SHEET

SECTION 1 – CHEMICAL AND COMPANY IDENTIFICATION:

Product Name:	ScumBlaster™ Tub and Tile Cleaner	Date Printed:	8/7/14
Product Use/Class:	Proprietary Low pH Surfactant Solution	Product ID:	F SBTC
Supplier:	Shield Industries, Inc.	Manufacturer:	Shield Industries, Inc.
Address:	131 Smokehill Lane Woodstock, GA 30188 USA	Address:	131 Smokehill Lane Woodstock, GA 30188 USA
Telephone:	770-517-6869	24 Hour Emergency Hotline:	800-535-5053

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS:

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT %
1.	Organic Salt (Proprietary)	Trade Secret	42-72%
2.	Detergent, Emulsifier, Wetting Agent (Proprietary)	Trade Secret	10-15%
3.	Compounded Fragrance (Proprietary)	Mixture (None Available)	< 1%

None of the ingredients in this product are deemed to be hazardous (as per OSHA Hazard Communication Standard, CFR29 1910.1200).

SECTION 3 – HAZARD IDENTIFICATION:

APPEARANCE: Pale Yellow Liquid
ODOR: Mild Characteristic Non-Descript
PHYSICAL STATE: Water Soluble Liquid

*** EMERGENCY OVERVIEW *** CAUSES ACUTE EYE IRRITATION

EFFECTS OF OVEREXPOSURE:

EYE CONTACT: Contact will cause eye irritation. May be painful and irritating.
SKIN CONTACT: Prolonged and repeated skin exposure may be irritating to some people.
INGESTION: Will cause discomfort and may be harmful if ingested.
INHALATION: High vapor concentrations may cause headaches and dizziness. Can be irritating to the respiratory tract if inhaled as mist or if product is vaporized.
CHRONIC HAZARDS: None Known.
PRIMARY ROUTE(S) OF ENTRY: Ingestion

SECTION 4 – FIRST AID MEASURES:

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician.
SKIN CONTACT: Remove contaminated clothing. Flush skin with water.

EYE CONTACT: Flush eyes at least 15 minutes with fresh water and seek medical attention.
INGESTION: Seek medical attention immediately and follow instructions given. Never give anything to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES:

FLAMMABILITY:	Not Flammable	FLASH POINT:	Not Applicable
LOWER EXPLOSIVE LIMIT:	N.D.	UPPER EXPLOSION LIMIT:	N.D.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of Carbon, Chlorine, and Nitrogen		
EXTINGUISHING MEDIA:	Dry Chemical, Carbon Dioxide, Water Spray.		
SPECIAL FIRE FIGHTING PROCEDURES:	Evacuate personnel to safe area, avoid breathing decomposition products.		

SECTION 6 – ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear suitable personal protective equipment to avoid prolonged exposure to skin contact and/or inhalation of vapors. Contain the spill and salvage as much material as possible. Pick-up the remaining material with absorbent.

SECTION 7 – HANDLING AND STORAGE:

HANDLING: Keep container tightly closed when not in use. Avoid contact with eyes or prolonged contact with skin. See product label for additional information.

STORAGE: Store at room temperature. When opening containers, do so slowly to vent slight pressure that may build up after prolonged storage. **Keep out of reach of children.**

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION:

GENERAL:	Keep container tightly closed. Do not consume food, drink, or tobacco in areas where they may become contaminated by this material. Wear goggles or face mask if splashing is likely. Use rubber or plastic gloves to prevent prolonged contact.
EYE PROTECTION:	Goggles or glasses with side shields.
SKIN PROTECTION:	Impermeable gloves and any additional clothing to minimize physical contact.
RESPIRATORY PROTECTION:	None required under normal use.
ENGINEERING CONTROLS:	None required under normal use.
OTHER PROTECTIVE MEASURES:	None required under normal use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:

BOILING POINT:	212 degrees Fahrenheit	VAPOR DENSITY:	N.D.
SOLUBILITY IN WATER:	Complete	IONIC NATURE:	Cationic
VISCOSITY:	N.D.	VAPOR PRESSURE:	N.D.
EVAPORATION RATE:	< Water	FREEZE POINT:	N.D.

SPECIFIC GRAVITY (H2O=1): 1.11 +/- 0.02
TOTAL VOC (% by weight) < 0.1%

SOLIDS BY WEIGHT: N.D.
VOC (% of Hazardous Ingred.) 0%

SECTION 10 – STABILITY AND REACTIVITY:

INSTABILITY: Stable
DECOMPOSITION: None.
INCOMPATIBLE MATERIALS: Avoid oxidizing agents, bases, sulfides, cyanides, and reactive metals such as Aluminum and Zinc. Contact with reactive metals may release Hydrogen gas, a highly flammable and explosive gas.
CONDITIONS TO AVOID: Application to hot surfaces may produce excessive levels of vapor.
POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL PROPERTIES:

COMPONENT TOXICOLOGICAL INFORMATION:

<u>CHEMICAL NAME</u>	<u>LD50</u>
Organic Salt (Proprietary)	No Information
Detergent, Emulsifier, Wetting Agent (Proprietary)	No Information
Surfactant Blend (Proprietary)	>2,000 mg/kg (oral, rat)
Compounded Fragrance (Proprietary)	No Information

CARCINOGENICITY INFORMATION:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

SECTION 12 – ECOLOGICAL INFORMATION:

BOD28: N.E.
COD: N.E.
%28-DAY BIODEGRADABILITY: (T.M. OECD 3010) N.E.
ASRT EC50: (ACTIVATED SLUDGE RESPIRATION INHIBITION TEST, T.M. OECD 209) N.E.
CERIODAPHNIA 48-H EC50 (T.M. OECD 202) N.E.
OTHER: No Information

SECTION 13 – DISPOSAL CONSIDERATIONS:

Waste Disposal: Dispose of only by methods approved by and used in accordance with local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION:

DOT PROPER SHIPPING NAME: Not regulated under DOT/IMO.
DOT TECHNICAL NAME: Not regulated under DOT/IMO
DOT HAZARD CLASS: N.A. HAZARD SUBCLASS: N.A.
DOT UN/NA NUMBER: N.A. PACKING GROUP: N.A.

RESP. GUIDE PAGE: N.A. WHMIS INFORMATION: Class D2B

SECTION 15 – REGULATORY INFORMATION:

EEC LABELING: (LABELING FOLLOWING ARTICLE 6 OF DIRECTIVE 92/32/EEC)

NAME OF DANGEROUS PRODUCT: None

WARNING THAT MUST BE INDICATED ON THE LABEL: None

-SYMBOLS: None

-R PHRASE: None

-S PHRASE: None

MEDICAL ADVICE: None

SECTION 16 – OTHER INFORMATION:

HMIS RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

Personal protection rating to be supplied by user depending on use conditions.

PREPARATION INFORMATION:

DATE CREATED: 03/07/00 LAST REVISION: 06/20/12

CREATED/REVISED BY: R. Lasnik

LEGEND: N.A. – Not Applicable N.E. – Not Established
N.D. – Not Determined T.M. – Test Method

DISCLAIMER:

All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC. The data and recommendations herein are based upon our research and the research of others, and are believed to be accurate. However, no warranty or guaranty of their accuracy is made; and as the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, including, but not limited to merchantability or fitness for a particular use, is made concerning this product. The user assumes all risk of use or handling whether or not in accordance with any directions or suggestions of the supplier. Seller shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our products, from breach of any warranty or from any other cause, the exclusive remedy against the seller being to require replacement or repair of defective goods.