

N/A-Not Applicable

ND-Not Determined
NE-Not Estimated

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.

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB NO. 1218-0072

IDENTITY (As used on Label and List)

Super Tuff

Note: Blank spaces are not permitted. If any item is not applicable,
information is available, the space must be marked to indicate that

SECTION 1. Company Identification

MANUFACTURER'S NAME

ADVANCED BLENDING

ADDRESS

645 TOWER DR.

KENNEDALE, TX 76060

EMERGENCY TELEPHONE NUMBER

817-572-7722 (8-5 pm cst)

NUMBER FOR INFORMATION

same

Date Prepared: 10/4/00

SECTION 2. Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Names)

Quaternary Ammonium Chlorides CAS# 68391-01-5

OSHA

PEL

AGGREGATE

OTHER LIMITS

NA

NA

NA

NA

SECTION 3. Hazardous Information

This product is not classified as a hazardous material by the U.S. Department of Transportation.

SECTION 4. Physical Characteristics

Boiling Point: ND Specific Gravity (H2O + 1): ND

Vapor Pressure (mm Hg): ND

Melting Point: NA

Vapor Density (Air = 1): ND Evaporation Rate (Butyl Acetate = 1): ND

Solubility in Water: Complete

Appearance & Odor: Amber liquid with perfume odor.

SECTION 5. Fire & Explosion & Hazard Data

Flash Point (Method Used): NA

Flammable Limits: NA

LEL: NA UEL: NA Extinguishing Media: Dry

chemical, water fog, CO2 foam. Special Fire Fighting Procedures: Product presents no unusual fire hazard and requires no

special procedures.

Unusual Fire and Explosion Hazards: None known

SECTION 6. Reactivity Data

Stability: Stable

Incompatibility (Materials to Avoid) Strong Oxidizing Agents or reducing agents.

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Mixing with strong oxidizers or reducing agents.

SECTION 7. Health Hazard Data

Routes of Entry: Eyes X

Inhalation X

Skin X

Ingestion X

Health hazard (Acute & Chronic): May be irritating to eyes or skin with some individuals. May be fatal if swallowed.

Carcinogenicity: None

NTP

IARC Monographs

OSHA Regulated

SECTION 8. First Aid Measures

Ingestion: If ingested drink large quantities of water, seek medical attention. Eyes: Immediately flush with a directed stream of water for at least 15 minutes holding the eyelid apart to ensure complete irrigation of the eye.

SECTION 9. Precautions for Safe Handling & Use

Steps to be taken in case material is released or spilled: If spilled, steps should be taken to contain spill. can area of spill

immediately. Follow protective measures provided under Control Measures in Section 10.

Precautions to be taken in handling or storing: For best product performance store in cool, dry area.

SECTION 10. Control Measures

Respiratory Protection (Specify Type): None

Ventilation: Local Exhaust: NA

Special: NA

Mechanical (General): NA Other: NA

Protective Gloves: NA

Eye Protection: Required

Other Protective Clothing or Equipment: None

SECTION 11. Toxicological Information

May be irritant to skin, will irritate eyes.

SECTION 12. Ecological Information

There is limited information available on the environmental fate and effects of this material. It is miscible in water. Due caution should be exercised to prevent the accidental release of this material to the environment. In concentrated form this product may show trace levels of toxicity to aquatic organisms.

SECTION 13. Disposal Considerations

Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

SECTION 14. Transportation Information

This product is not regulated. DOT class 55

SECTION 15. Regulatory Information

We request that you make all information in this Material Safety Data Sheet available to all employees.

SARA/TITLE III HAZARD CATEGORIES: If the word "yes" appears next to any category, this product may be reportable by you under the

requirements of 40 CFR 370. Please consult those regulations for details.

Immediate (Acute) Health: Yes

Delayed (Chronic) Health: No

Fire Hazard: No

Reactive Hazard: No

Sudden Release of Pressure: No

HAZARD RATINGS: Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

INTERNATIONAL REGULATIONS: Consult the regulations of the importing country.

SECTION 16. Other Information

MSDS LEGEND: CAS = Chemical Abstracts Service Registry Number

Ceiling Limit = Ceiling Limit (15 Minutes)

OSHA = Occupational Safety and Health Administration

TLV = Threshold Limit Value (ACGIH)

ACGIH = American Conference of Governmental Industrial Hygienists. IMPORTANT: The information presented herein, while not guaranteed, was prepared by competent

technical personnel and is true and accurate to the best of our knowledge. While our technical personnel will be happy to respond to questions regarding safe handling and use

procedures, safe handling and use remains the responsibility of the user. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to

infringe any existing patents or violate any federal, state, or local laws, rules, regulations or ordinances.

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