

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

Manufacturer: Universal Minerals, Inc.
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I. PRODUCT IDENTIFICATION

Trade Name: SOFSTRIP BLAST MEDIA
Formula: Sodium bicarbonate formulation
CAS No: 144-55-8
Shipping Name: Sofstrip Blast Media (Not restricted article) D.O.T.
Sofstrip Blast Media (Not restricted article) I.A.T.A

II. INGREDIENTS

Non Hazardous: 100%
Hazardous: None

III. PHYSICAL DATA

Bulk Density: 2.22 g/ cm³
Odor: Odorless
Appearance: White crystalline powder
Solubility in H₂O: Moderate
Ph (1% solution): 8.2
Melting Point: Decomposes at 228^o F

IV. FIRE AND EXPLOSION DATA

Nonflammable. No explosion hazard.

If large quantities are involved significant levels of carbon dioxide may be generated requiring self contained breathing apparatus. Sodium bicarbonate decomposes with heat creating soda ash which is a respiratory, eye and skin irritant.

V. HEALTH HAZARD INFORMATION

ROUTES OF ENTRY:

<u>Skin Contact:</u>	None	<u>Inhalation:</u>	None
<u>Carcinogenicity:</u>	None	<u>Eye Contact:</u>	None
<u>Ingestion:</u>	None		

VI. EFFECTS OF OVEREXPOSURE

Large doses have produced systemic alkalosis and expansion in intracellular fluid volume with edema.

VII. EMERGENCY AND FIRST AID PROCEDURES

<u>Skin:</u>	Flush with flowing water or shower. Seek medical attention if irritation persists.
<u>Inhalation:</u>	Move to fresh air.
<u>Ingestion:</u>	Administer large quantities of water. Do not induce vomiting. Seek medical attention immediately.
<u>Eyes:</u>	Irrigate with flowing water for 15 minutes. Consult a physician if necessary

VIII. REACTIVITY DATA

1. CONDITIONS CONTRIBUTING TO INSTABILITY

None, normally stable

2. INCOMPATIBILITY

Materials to avoid: Can react rapidly with strong acids to form carbon dioxide gas, salt, and water.

3. HAZARDOUS DECOMPOSITION PRODUCTS

Avoid temperatures above 228 ° F Sodium carbonate and carbon dioxide

4. CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION

Will not occur

IX. DISPOSAL, SPILL OR LEAK PROCEDURES

1. WASTE DISPOSAL METHOD

Dry landfill if not contaminated with other hazardous waste. Follow local, state and federal regulations

2. STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Put into dry clean containers. Avoid combination or contact with lime dust as caustic soda may form.

X. SPECIAL PROTECTION INFORMATION

1. VENTILATION REQUIREMENTS

Maintain dust levels below nuisance TLV

2. SPECIAL PERSONAL PROTECTIVE EQUIPMENT

None

XI. SPECIAL PRECAUTIONS

Minimum NIOSH approved dust mask or respirator is recommended. It is recommended that operators do not wear contact lenses. Ear protection must be worn during blasting operation by operator and support personnel. Wear safety glasses, goggles and or face shield during blasting operation. When blasting inside vessels a forced air blast hood or full face respirator must be worn.