

CUSTOMER: 30142039

ORDER #: 0167:Y

BATCH #: 102110023

STICKER #: 102110532

#:1HS1

BARCODE #:281906844 0005

PRODUCT NAME: BIG TEX

Material Safety Data Sheet: BIG TEX

Supersedes Date 07/14/2008

Issuing Date 08/19/2008

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BIG TEX
Recommended Use Cleaning agent
Information on Manufacturer
MANTEK, DIVISION OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 1888
Chemical Nature Aqueous surfactant solution
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Warning
Severe skin irritation
Severe eye irritation
Harmful by inhalation
Harmful or fatal if swallowed
May cause drowsiness and dizziness

Color Yellow - Green

Physical State Liquid

Odor Slight

Potential Health Effects

Principle Route of Exposure

Primary Routes of Entry

Acute Effects

Eyes

Skin

Inhalation

Ingestion

Chronic Effects

Target Organ Effects

Aggravated Medical Conditions

Interactions with Other Chemicals

Potential Environmental Effects

Skin contact, Eye contact, Inhalation.

Skin Absorption, Inhalation.

Severe eye irritant.

Severe skin irritant.

Harmful by inhalation. Irritating to respiratory system. Inhalation of vapors in high concentration can cause narcotic effects and metabolic acidosis.

Harmful or fatal if swallowed. Ingestion may cause irritation to mucous membranes. Acidosis.

Prolonged exposure may cause chronic effects. Bloody urine. Liver and kidney injuries may occur.

Liver, Kidney, Blood, Central Nervous System, Lungs, spleen, Central nervous system, Hematopoietic System, Respiratory system.

Skin disorders. Respiratory disorders. Central nervous system. None known. Kidney disorders. Liver disorders. Pre-existing

respiratory and skin conditions such as asthma, emphysema, and dermatitis. Respiratory system.

Use of alcoholic beverages may enhance toxic effects.

See Section 12 for additional Ecological information

3. COMPOSITION / INFORMATION ON INGREDIENTS

Table with 2 columns: Component, CAS-No. Rows include 2-Butoxyethanol, Trisodium phosphate, Sodium metasilicate, and Benzenesulfonic acid, mono-C10-16 alkyl derivatives, sodim salts.

4. FIRST AID MEASURES

General Advice

Eye Contact

Skin Contact

Inhalation

Ingestion

Notes to Physician

Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist.

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

Get medical attention immediately.

Remove/Take off immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get

medical attention immediately.

Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical

attention immediately.

Drink 1 or 2 glasses of water. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an

unconscious person.

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flash Point > 201°F / > 94°C

Autoignition Temperature No information available

Flammability Limits in Air 2-Butoxyethanol

Available Extinguishing Media

Carbon dioxide (CO2). Foam. Dry chemical. Alcohol-resistant foam. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Table with 5 columns: NFPA, Health, Flammability, Instability, and values (2, 1, 0, 2, 1, 0).

Method Seta closed cup

Upper 10.6 Lower 1.1

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)
Methods for Cleaning Up Dam up. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

7: HANDLING AND STORAGE

Handling Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist.
Storage Store in original container. Keep container tightly closed in a dry and well-ventilated place. Do not freeze.
Storage Temperature Minimum 35°F / 2°C Maximum 120°F / 49°C
Storage Conditions Indoor X Outdoor Heated X Refrigerated

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
2-Butoxyethanol	TWA: 20 ppm	TWA: 240 mg/m ³ TWA: 50 ppm Skin	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³
Trisodium phosphate	No data available	no data available	no data available
Sodium metasilicate	No data available	no data available	no data available
Benzenesulfonic acid, mono-C10-16 alkyl derivatives, sodm salts	No data available	no data available	no data available

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
Eye/Face Protection Goggles.
Skin Protection Impervious gloves.
Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Wash contaminated clothing before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	Yellow - Green	Odor	Slight
Appearance	Transparent	pH	12.4
Specific Gravity	1.04	Bulk Density	8.67
Evaporation Rate	0.54 (Butyl acetate=1)	Percent Volatile (Volume)	96
VOC Content (%)	3.8	Vapor Pressure	16.57 mmHg @ 70 °F
Vapor Density	0.6	Solubility	Completely soluble
Boiling Point/Range	210°F / 99°C		

10: STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions
Conditions to Avoid Gives off hydrogen by reaction with metals.
Incompatible Products Avoid radical-forming starting agents, peroxides and reactive metals. Acids. Ammonium salts. Strong oxidizing agents.
Hazardous Decomposition Products Carbon oxides. Organic acids. Ketones. Aldehydes. Hydrogen.
Possibility of Hazardous Reactions None under normal processing

11: TOXICOLOGICAL INFORMATION

Product Information No information available

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
2-Butoxyethanol	470 mg/kg (Rat)	220 mg/kg (Rabbit) 2270 mg/kg (Rat)	no data available	no data available	no data available
Trisodium phosphate	2000 mg/kg (Rat)	2 mg/kg (Rabbit)	2.16 mg/L (Rat) 1 h	no data available	no data available
Sodium metasilicate	600 mg/kg (Rat)	no data available	no data available	no data available	no data available
Benzenesulfonic acid, mono-C10-16 alkyl derivatives, sodm salts	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
2-Butoxyethanol	no data available	no data available	no data available	Male reproductive toxin.	liver, kidneys, lymphoid system, skin, blood, eyes, respiratory system, CNS, hematopoietic system, splee
Trisodium phosphate	no data available	no data available	no data available	no data available	no data available
Sodium metasilicate	no data available	no data available	no data available	no data available	no data available
Benzenesulfonic acid, mono-C10-16 alkyl derivatives, sodm salts	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
2-Butoxyethanol	A3	not applicable	not applicable	not applicable	not applicable

Trisodium phosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium metasilicate	not applicable	not applicable	not applicable	not applicable	not applicable
Benzenesulfonic acid, mono-C10-16 alkyl derivatives, sodim salts	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
2-Butoxyethanol	no data available	LC50= 1490 mg/L Lepomis macrochirus 96 h	no data available	LC50 1698 - 1940 mg/L 24 h EC50 = 1720 mg/L 24 h	0.81
Trisodium phosphate	no data available	no data available	no data available	no data available	N/A
Sodium metasilicate	no data available	LC50= 210 mg/L Brachydanio rerio 96 h	no data available	EC50 = 216 mg/L 96 h	N/A
Benzenesulfonic acid, mono-C10-16 alkyl derivatives, sodim salts	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability No information available
 Bioaccumulation No information available
 Mobility No information available

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations
 Container Disposal Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT Not regulated
 TDG Not regulated
 ICAO Not regulated
 IATA Not regulated
 IMO Not regulated

15. REGULATORY INFORMATION

Inventories
 TSCA Complies
 DSL Complies

U.S. Federal Regulations

SARA 313
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372:

Component	CAS-No	Weight %	SARA 313 - Threshold Values
2-Butoxyethanol	111-76-2	1-5	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
2-Butoxyethanol	Not applicable	Not applicable
Trisodium phosphate	5000 lb	Not applicable
Sodium metasilicate	Not applicable	Not applicable
Benzenesulfonic acid, mono-C10-16 alkyl derivatives, sodim salts	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
 D2B Toxic materials



16. OTHER INFORMATION

Prepared By Kamal Singh
 Supersedes Date 07/14/2008
 Issuing Date 08/19/2008
 Reason for Revision No information available
 Glossary No information available
 List of References TBD