

Material Safety Data Sheet

Section 1

Product and Company Identification

Bioremediation, Inc.
PO Box 664
Knox, IN 46534

Phone: (574) 850-3112
Fax: (888) 242-2898

Emergency Phone Numbers
CFB (574)-848-5288 Normal
USA Chemtrec 800-424-9300
International Chemtrec 703-527-3889

Manufactured by:
CFB, Inc.

Product Name:

TS-2000

Chemical Family: Alkaline Cleaner

Date: 1/07/05

Section 2 Composition / Hazardous Ingredients Information

Ingredient	WT %	TLV / PEL*	
CAS #			
Monoethanolamine	<5	3 PPM	141-43-5
2-Butoxy Ethanol	<5	25 PPM	111-76-2
Sodium Tripolyphosphate	<5	N/A	7758-29-4
Trisodium Phosphate	<5	N/A	7601-54-9

Section 3 Physical and Chemical Properties

Color: Purple Complete	Vapor Pressure: N/A °F	Solubility in Water:
Appearance: Clear Liquid	% Volatile by Volume: 70 – 80as water	Evaporation Rate
Odor: Characteristic >1	Vapor Density (air = 1): >1	(water = 1):
Boiling Point: > 212° F	Reactivity in Water: Non-reactive	Specific Gravity: 1.06

Section 4 Fire Fighting Measures

Flammable Properties:

Flash point: None °F (ASTM D-56) Flammable limits in air: N/A Auto ignition temperature: N/A

Extinguishing media: CO₂, dry chemical, foam

Special fire fighting measure:

The material as received will not support combustion, however its residues may. Therefore, procedures for an oil fire should be followed. Use self contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool.

Section 5 Hazards Identification

Primary Routes of Entry:

Skin: Tests on similar materials indicate that irritation effects are expected to occur with short-term exposure.

Eyes: Tests on similar materials suggests that irritation may occur on contact.

Ingestion: Tests on similar materials indicate that irritation effects are expected.

Inhalation: Tests on similar materials indicate that irritation effects are expected.

Section 6 First Aid Measures

Eyes: Flush eyes immediately with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.

Skin: Immediately remove soaked or contaminated clothing. Wash skin thoroughly with soap and water. Launder all contaminated clothing before reuse. If skin irritation or rash develops obtain medical assistance.

Ingestion: Do not induce vomiting. Obtain emergency medical attention.

Inhalation: Not likely to occur except as a mist. Move to fresh air and provide oxygen if necessary. Obtain emergency medical attention.

Section 7 Personal Protection/ Exposure Controls

Engineering Controls: Use adequate ventilation to keep mists of this material below applicable standards.

Respiratory Protection: Not required if adequate ventilation. If occupational exposure limits are exceeded wear NIOSH approved apparatus.

Skin Protection: Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing. Acceptable materials for gloves are polyvinyl chloride; neoprene; polyvinyl alcohol; nitrile; vitron.

Eye Protection: Glasses or goggles. Have suitable eye wash water available.

Other/General Protection: If there is a likelihood of splashing, a water resistant clothing should be worn. Never wear soaked clothing. Launder or dry clean before wearing. Discard soaked shoes.

Section 8 Handling and Storage

Handling and Storage Precautions: Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors. NFPA Class IIIB storage.

Work/Hygienic Practices: Wash thoroughly after handling. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

Section 9 Accidental Release Measures

Advise EPA/state agency if required.

Absorb spillage with inert material.

Contain spill and keep from entering waterways or sewers.

- Use personal protective equipment.
- Shovel, sweep or vacuum spill.

Section 10 Toxicological Information

Acute Studies: Tests on similar materials show a low order of acute oral and dermal toxicity.

Eye Effects: Minimal irritation on contact.

Skin Effects: Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated contact.

Acute Oral Effects: Tests on similar materials indicate low order of acute oral toxicity.

Acute Inhalation Effects: Low acute toxicity expected on inhalation.

This product is not listed as a carcinogenic or a potential carcinogen by the National Toxicology Program, by the I.A.R.C. monographs or by OSHA.

Section 11 Stability and Reactivity

Stability: Stable **Conditions to avoid:** Avoid freezing **Incompatibility:** Strong oxidizing or reducing agents.

Decomposition Products: Oxides of Carbon, Hydrogen, Phosphorus and Nitrogen. **Hazardous Polymerization:** Will not occur.

Section 12 Ecological Information

No Data available

Section 13 Disposal Considerations

Follow federal, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Product may be amenable to sewer depending on local codes; if not permitted use a certified disposal service.

Section 14 Transportation Information

Proper Shipping Name: Detergents, Soaps.

Shipping Class: 55

Dot Identification Number: N/A

Dot Shipping Label: Not regulated by DOT.

Section 15 Regulatory Status

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects: None

Chronic Health Effects: None

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: Not applicable

CERCLA: Sodium tripolyphosphate and Trisodium phosphate are subject to the reporting requirements of CERCLA. RQ for both are 5000 LBS, this would represent 166,000lbs of cleaner.

Title III - Section 313 Supplier Notification: No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

WHMIS Classification: Not controlled.

Section 16 Other Information

NFPA Hazard Rating:

Health: 1 Slight

Fire: 0 Negligible

Reactivity: 0 Negligible

Supersedes MSDS Dated: Original 1/7/05

*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

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