

MATERIAL SAFETY DATA SHEET

PREPARED: 12/5/2008.

TIP TOP PRODUCTS
145 BAILS RD.
RIPLEY, MS 38663
(662) 993-9530

Section 1 - Identification

Product Name: ALL PURPOSE CLEANER
Product Description: DETERGENT MIXTURE

Section 2 - Composition/Information on Ingredients

Principle Components	CAS #	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	25 ppm	25 ppm
Nonylphenoxypolyoxyethanol	9016-45-9	none	none
Sodium Dodecylbenzene Sulfonate	25155-30-0	not applicable	not applicable
Sodium Metasilicate	6834-92-0	not applicable	not applicable
Sodium Tripolyphosphate	7758-29-4	5 mg/m ³ as a respirable dust	5 mg/m ³ as a respirable dust
Water	7732-18-5	none	none

Section 3 - Physical Data

Physical State: Liquid
Appearance: Clear, pale blue
Odor: Mild
Specific Gravity: (Water = 1) ~1.0
Vapor Pressure: Less than water
% Volatile: Negligible

Vapor Density: Same as water
Evaporation Rate: Slower than water
Water Solubility: 100%
Boiling Range: > 100°C (212°F)
Melting Point: Not Applicable
pH: > 12

Section 4 - Fire & Explosion Data

Flash Point: None
Flammability Limits (percent by volume)
Lower: Not known.
Upper: Not known.
Flammability Classification: None
Extinguishing Media: Product is an aqueous solution; nonflammable in liquid form. Use foam, dry chemical, carbon dioxide, or water spray on dried residue.
Unusual Fire or Explosion Hazards: Containers may explode in heat of fire.
Hazardous Combustion Products: Oxides of carbon, phosphorous, and sulfur; smoke and fumes.
Fire-Fighting Instructions: Water spray may be used to cool containers. Do not release runoff from fire control methods to sewers or waterways.
Fire-Fighting Equipment: Breathing apparatus and protective clothing should be used in fighting fires involving chemicals.

Section 5 - Health Hazard Data

Emergency Overview

Clear, pale blue aqueous solution, mildly astringent odor.
 Causes severe eye, skin, and mucous membrane irritation.
 Spills are very slippery, may cause falls.

Potential Health Effects

Primary Entry Routes: Skin and eye contact.

Target Organs: Eyes, skin.

Acute Effects

Inhalation: Not considered a route of exposure.

Eyes: Irritation, redness, tearing, blurred vision, corrosive burns.

Skin: Severe irritation.

Ingestion: Nausea, vomiting, diarrhea, headache, dizziness, blood damage, kidney and liver damage.

Chronic Effects

Inhalation: Not considered a route of exposure.

Eyes: Repeated or prolonged contact may cause conjunctivitis (inflammation of the mucous membranes that line the inner surface of the eyelids and over the forepart of the eyeball).

Skin: Repeated or prolonged contact may cause defatting dermatitis, redness, itching, inflammation, cracking, and possible secondary infection.

(2-Butoxyethanol is readily absorbed through the skin in toxic amounts and may cause headache, dizziness, nausea, vomiting, diarrhea, red blood cell hemolysis, kidney and liver damage.)

First Aid

Inhalation: Remove from exposure, if breathing is difficult or absent, give artificial respiration and obtain immediate medical attention. Call a physician.

Eye Contact: Flush eyes immediately with plenty of water for at least 15 minutes. Call a physician.

Skin Contact: Wipe off excess, wash affected area with plenty of water. If irritation persists, obtain medical attention.

Ingestion: Call a physician or poison control center. Unless the physician or poison control center advises otherwise, have a *conscious and alert* person drink 1 - 2 glasses of water. Never give anything to an unconscious person. Do not induce vomiting. If spontaneous vomiting occurs, monitor for breathing difficulty.

Section 6 - Reactivity Data

Stability: Stable under normal conditions of use.

Chemical Incompatibilities: Reacts with oxidizers, reducing agents, and acids.

Conditions to Avoid: Contact with oxidizers, reducing agents, acids, and excessive heat.

Hazardous Decomposition Products: Oxides of carbon, oxides of phosphorous, oxides of sulfur.

Hazardous Polymerization: Does not occur.

Section 7 - Spill and Leak Procedures
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Personal Precautions: Ventilate area. Cleanup personnel should protect against skin/eye contact. This material forms slippery surfaces on floors, posing a risk of falling.

Spill Response Procedures: Contain spill, using a dike of inert material and absorbents if necessary.

Small Spills: Mop up spill. Flush area with water.

Large Spills: Use absorbent to collect the liquid. Scoop or shovel absorbent and product into suitable containers for disposal. Wash spill area with water. Dispose of wash water in accordance with Local, State, and Federal regulations.

Waste Disposal: Dispose in accordance with Local, State, and Federal regulations.

Section 8 - Exposure Controls/Personal Protection
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Ventilation: Good general ventilation is recommended.

Personal Protective Equipment

Respiratory: None required with normal use. If respiratory protection is required, seek professional advice before selection and use. Follow OSHA respirator regulations (CFR 1910.134) and, if necessary, wear a NIOSH/MSHA approved respirator.

Eye/Face: Wear safety glasses with side shields (or goggles) and a face shield.

Skin/Body: For brief contact, wear body-covering clothing. Use rubber or other chemically-resistant gloves.

Remove clothing which has been contaminated; wash before reuse. Wash separately from other clothing. Keep other protective equipment clean.

Other Precautions: Do not eat, drink, or smoke in work area. Wash hands and face before eating, drinking, or smoking.

Occupational Exposure Limits: None established.

Section 9 - Handling and Storage

Handling Precautions: Use in a well ventilated area. Avoid contact with skin and eyes. Follow label instructions.

Storage Requirements: Store in a cool, dry place. Keep away from excessive heat. Keep from freezing. Keep containers tightly closed when not in use. Do not store with oxidizers, acids, or other corrosive materials.

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