

SAFETY DATA SHEET

Date Prepared : 01/07/2016

SDS No : SPL498R

Date Revised : 10/24/2017

Revision No : 1

Tunnel Pro Hi pH Presoak #498

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Tunnel Pro Hi pH Presoak #498

MANUFACTURER

Scotch Plaid, Inc.
2969 Reward Lane
Dallas, TX 75220

Customer Service: 800-527-5220

24 HR. EMERGENCY TELEPHONE NUMBERS

ChemTel: 800-255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Corrosion, Category 1B
Serious Eye Damage, Category 1

Environmental:

Not Classified

Physical:

Not Classified

GHS LABEL



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

PRECAUTIONARY STATEMENTS

Prevention:

P264: Wash face, hands and any exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER or doctor / physician if you feel unwell.

P363: Wash contaminated clothing before reuse.

Storage:

P102: Keep out of reach of children.

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P234: Keep only in original packaging.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS |
|--|---------|-----------|
| Glycine, N,n'-1,2-ethanediylbis[n-(carboxymethyl)-, Tetrasodium Salt | 10 - 20 | 64-02-8 |
| 2- Butoxyethanol | 5 - 10 | 111-76-2 |
| Sodium Hydroxide | 1 - 5 | 1310-73-2 |
| Ethanol, 2-amino- | 1 - 5 | 141-43-5 |

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

INHALATION: Remove victim to fresh air. If irritation persists, get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Contact causes serious eye damage. Direct contact with the eyes can cause irreversible damage, including blindness.

SKIN: Contact causes serious chemical burns to the skin.

INGESTION: Contact may cause irreversible damage to mucous membranes.

INHALATION: Contact may cause corrosive burns to mucous membranes.

ACUTE EFFECTS: Eye contact may cause stinging, tearing, redness and blurred vision. Skin contact may cause redness and pain.

CHRONIC EFFECTS: Repeated or prolonged exposure to corrosive materials will cause dermatitis to the skin and conjunctivitis to the eyes.

NOTES TO PHYSICIAN: Treat symptomatically

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not flammable or combustible

GENERAL HAZARD: The product is not expected to present any fire or explosion hazards under prescribed use conditions.

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, water spray (fog) or foam when fighting fires involving this material.

EXPLOSION HAZARDS: None

FIRE FIGHTING PROCEDURES: Use fire fighting measures that are appropriate for the local circumstance and the surrounding environment.

FIRE FIGHTING EQUIPMENT: Use personal protective equipment

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, Oxides of Sulfur and Nitrogen

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop leak if safe to do so. Soak up and contain spill with an absorbant material and place in container for proper disposal. Flush away traces with water.

LARGE SPILL: Dike spilled material or otherwise contain material to ensure runoff does not reach into soil, ditches, sewers and / or groundwater. Transfer material into suitable containers for proper disposal in accordance with local, state and federal regulations.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow material to contaminate waterways.

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LAND SPILL: Do not allow material to contaminate the soil.

GENERAL PROCEDURES: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8.

SPECIAL PROTECTIVE EQUIPMENT: For personal protection see section 8.

COMMENTS: Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Handle in accordance with good industrial hygiene and safety procedures. Use personal protection recommended in Section 8. Follow all product label instructions.

HANDLING: Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing vapors or mists.

STORAGE: Keep out of reach of children. Store in original container in a cool, dry and well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | | | | |
|---|------|-----------------|-------------------|-----------|-------------------|--------------|-------------------|
| | | EXPOSURE LIMITS | | | | | |
| | | OSHA PEL | | ACGIH TLV | | Supplier OEL | |
| Chemical Name | | ppm | mg/m ³ | ppm | mg/m ³ | ppm | mg/m ³ |
| 2- Butoxyethanol | TWA | 50 | 240 | 20 | 97 | NL | NL |
| | STEL | | | | | NL | NL |
| Sodium Hydroxide | TWA | | 2 | | 2 | | |
| Ethanol, 2-amino- | TWA | 3 | 6 | 3 | 7.5 | NL | NL |
| | STEL | | | 6 | 15 | NL | NL |

ENGINEERING CONTROLS: None usually needed.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: Chemical resistant gloves.

RESPIRATORY: No personal respiratory equipment normally required.

PROTECTIVE CLOTHING: Wear suitable protective clothing to prevent contact with skin.

WORK HYGIENIC PRACTICES: Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

OTHER USE PRECAUTIONS: Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and 1910.133.

COMMENTS: Eyewash stations and safety showers should always be in place where chemicals are handled and stored.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slight

ODOR THRESHOLD: Not determined for this mixture.

APPEARANCE: Clear liquid

COLOR: Blue

pH: 12.5 to 13.5 (full strength)

PERCENT VOLATILE: (w/w) 60-70% mostly as water.

FLASH POINT AND METHOD: Non Flammable

FLAMMABLE LIMITS: Non Flammable

AUTOIGNITION TEMPERATURE: Not determined for this mixture.

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VAPOR PRESSURE: Not determined for this mixture.

VAPOR DENSITY: Not determined for this mixture.

BOILING POINT: Near that of water

FREEZING POINT: Near that of water.

THERMAL DECOMPOSITION: Not determined for this mixture.

SOLUBILITY IN WATER: Complete

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not determined for this mixture.

EVAPORATION RATE: Near that of water.

SPECIFIC GRAVITY: 1.13 to 1.140 g/ml

VISCOSITY: Not determined for this mixture.

(VOC): 5.000 to 10.000 (Weight %)

OXIDIZING PROPERTIES: This product is not classified as oxidizing

10. STABILITY AND REACTIVITY

REACTIVITY: Stable under recommended storage conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat or cold.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reaction known under conditions of normal use.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen and sulfur.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong reducing agents, bases and certain metals.

11. TOXICOLOGICAL INFORMATION

ACUTE

| Chemical Name | ORAL LD ₅₀ | DERMAL LD ₅₀ | INHALATION LC ₅₀ |
|--|-------------------------|-------------------------|------------------------------------|
| Glycine, N,n'-1,2-ethanediylbis[n-(carboxymethyl)-, Tetrasodium Salt | 3030 mg/kg (rat) | > 5000 mg/kg (rabbit) | Not determined |
| 2- Butoxyethanol | 1300 mg/kg (rat) | > 2000 mg/kg (rat) | 4.9 mg/l (rat) <i>Aerosol</i> |
| Sodium Hydroxide | 140 to 3400 mg/kg (rat) | 1350 mg/kg (rabbit) | No data |
| Ethanol, 2-amino- | 1089 mg/kg (rat) | 2504 mg/kg (rat) | > 1.48 mg/L (rat) 4 hr (vapour) |

EYE EFFECTS: Corrosive. Can cause permanent damage to the cornea.

SKIN EFFECTS: Corrosive. Can cause severe skin burns.

CHRONIC: Health injuries are not known or expected under normal use.

SUBCHRONIC: This product is irritating to the eyes, skin and respiratory tract.

CARCINOGENICITY

| Chemical Name | IARC Status | Other |
|------------------|-------------|------------|
| 2- Butoxyethanol | Group 3 | ACGIH (A3) |

IARC: IARC (Group 3) components are "not classifiable as human carcinogens"

NTP: No ingredient in this product is present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No ingredient in this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential

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carcinogen by OSHA.

Notes: ACGIH (A3) - Animal Carcinogen

REPEATED DOSE EFFECTS: No data available for this mixture.

CORROSIVITY: Corrosive to the skin and eyes.

SENSITIZATION: No data available for this mixture.

NEUROTOXICITY: No data available for this mixture.

GENETIC EFFECTS: No data available for this mixture.

REPRODUCTIVE EFFECTS: No data available for this mixture.

TARGET ORGANS: No data available for this mixture.

TERATOGENIC EFFECTS: No data available for this mixture.

MUTAGENICITY: No data available for this mixture.

SYNERGISTIC MATERIALS: No data available for this mixture.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

BIOACCUMULATION/ACCUMULATION: The potential for bioconcentration in organisms is low.

AQUATIC TOXICITY (ACUTE): Not determined for this mixture.

CHEMICAL FATE INFORMATION: This product is expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Follow all Federal, State and Local Regulations appropriate for this material.

PRODUCT DISPOSAL: Wastewater resulting from this product should be directed to a proper waste water treatment facility.

EMPTY CONTAINER: Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

RCRA/EPA WASTE INFORMATION: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid, N.O.S., (Sodium Hydroxide)

PRIMARY HAZARD CLASS/DIVISION: 8, Corrosive

UN/NA NUMBER: 1760

PACKING GROUP: III

PLACARDS: Corrosive

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Corrosive Liquid, N.O.S., (Sodium Hydroxide)

UN NUMBER: 1760

PACKING GROUP: III

COMMENTS: The shipper / consignor / sender is responsible to ensure that the packaging, labeling and markings are in compliance with the selected mode of transport.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

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Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**311/312 HAZARD CATEGORIES:** Acute Health Hazard**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

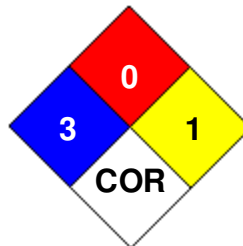
| Chemical Name | Wt.% | CAS |
|------------------|--------|----------|
| 2- Butoxyethanol | 5 - 10 | 111-76-2 |

302/304 EMERGENCY PLANNING**EMERGENCY PLAN:** No chemicals in this product are subject to the reporting requirements of SARA Title III, Section 302.**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

| Chemical Name | Wt.% | CERCLA RQ |
|------------------|-------|-----------|
| Sodium Hydroxide | 1 - 5 | 1,000 |

TSCA (TOXIC SUBSTANCE CONTROL ACT)**TSCA REGULATORY:** All ingredients are listed.**CALIFORNIA PROPOSITION 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.**OSHA HAZARD COMM. RULE:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.**16. OTHER INFORMATION****REASON FOR ISSUE:** New SDS format**Date Revised:** 10/24/2017**REVISION SUMMARY:** This SDS replaces the 01/08/2016 SDS. Revised: **Section 9: COLOR.****HMS RATING**

| | | |
|----------------------------|--------------------------|----------|
| HEALTH | <input type="checkbox"/> | 3 |
| FLAMMABILITY | <input type="checkbox"/> | 0 |
| PHYSICAL HAZARD | <input type="checkbox"/> | 1 |
| PERSONAL PROTECTION | <input type="checkbox"/> | B |

NFPA CODES**ADDITIONAL SDS INFORMATION:** This Safety Data Sheet applies to this product in its concentrated form (as supplied). The hazards of this product will diminish significantly at end use dilution ratios.**MANUFACTURER DISCLAIMER:** The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other material or in any process, unless specified in the text.

End of Safety Data Sheet