Quest Products
Finding New Ways to Improve the Treatment of Trees and Plants.

SAFETY DATA SHEET

PRODUCT NAME: Foaming Stain Remover

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTOR: **Quest Products Corporation**
ADDRESS: 23611 Linwood Road (K-32)
Linwood, KS 66052
PHONE: (785)-542-2577

EMERGENCY CHEMTREC PHONE - US & Canada: 1-800-424-9300

CHEMICAL NAME: Foaming Stain Remover
CHEMICAL FAMILY: Cleaner
CHEMICAL FORMULA: Proprietary mixture

PRODUCT USE: Stain Lifter / Remover

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFIED

GHS Ratings:

Signal Word: DANGER

GHS Hazards
H318 - Causes serious eye damage.
H314 – Causes severe skin burns and eye damage.

GHS Precautions
P101 – If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P233 - Keep container tightly closed.
P234 - Keep only in original container.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 – Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing and eye protection.
P301+312 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+313+337+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, then continue rinsing. If eye irritation persists, seek medical advice or attention.

OSHA/HCS STATUS
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 3: INFORMATION ON COMPONENTS

INGREDIENT	CAS NO.	% WT
Nonylphenol Ethoxylate	**9016-45-9**	**0.25-0.50%**
Ethylenediamineteteraacetic Acid, Tetra Sodium Salt	**64-02-8**	**2-4%**
2-Butoxyethanol	**111-76-2**	**4-5%**
Triethanolamine	**102-71-6**	**2-3%**
Proprietary Formulation Ingredients		**100%**

NOTE: If Chemical Name/CAS Number is listed as “Proprietary” and/or the Weight % is listed as a range, the specific chemical identity and/or percentage of composition has either been withheld as a trade secret, or is due to batch variation.

SECTION 3 NOTES: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

CARCINOGENICITY

OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

SECTION 4: FIRST AID MEASURES

Have the product container with you when calling a poison control center or doctor, or going for treatment, if able.

Have this SDS to provide for medical personnel when calling a poison control center, doctor, or going for treatment, if able. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

***IF IN EYES*:** Remove contact lenses if present and easy to do so. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.

IF ON SKIN OR CLOTHING: Take off contaminated clothing, wash before reuse. Wash skin with plenty of soap and water. Seek medical advice/attention if irritation develops or persists. DO NOT use solvents or thinners.

IF SWALLOWED: DO NOT INDUCE VOMITING. Call a poison control center immediately and show container or label. Keep person warm and at rest.

IF INHALED: Remove to fresh air and ventilate suspected area. Keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

NOTES TO PHYSICIANS / FIRST AID PROVIDERS: Treat symptomatically.

SECTION 4 NOTES: No known significant critical effects due to inhalation or ingestion. Causes serious eye damage and skin burns.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT °C:	Not applicable.
IN CASE OF FIRE:	Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer, or ordinary) for large fires. Water stream may spread flames.
SPECIAL FIRE FIGHTING PROCEDURES:	Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Do not use water jet.
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:	May include Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Metal Oxides.
SECTION 5 NOTES:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Stop the source of the spill immediately if it safe to do so. Ventilate the affected area. Wear protective clothing as described in Section 8 of this SDS. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product has caused environmental pollution. Material should be collected and disposed in proper manner.
CLEAN-UP MEASURES:	Follow federal, state and local regulations for liquid and solid waste disposal. If soluble, dilute with water and mop up. If insoluble, absorb with a dry, inert material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state and local regulations. Wear suitable protective equipment.
SECTION 6 NOTES:	Do not breathe mist or vapors. Do not get in eyes, on skin or on clothing. See section 1 for CHEMTREC emergency phone number. See Section 12 for additional Ecological Information.

SECTION 7: HANDLING AND STORAGE

HANDLING Keep away from acids. Keep out of reach of children. Read label before use. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product. Avoid direct contact with substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid breathing spray mist. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Wear protective gloves, protective clothing, eye protection and face protection. Store in a dry, cool, well-ventilated area. Keep away from heat and direct sunlight. Containers that have been opened must be carefully re-sealed and kept upright to prevent leakage.

STORAGE: Store in a cool, dry, well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

SECTION 7 NOTES: None.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

EXPOSURE GUIDELINES: **2-butoxyethanol (111-76-2)**

ACGIL TLV – (United States 1/2022) – TWA: 20ppm 8 Hours.

OSHA PEL – (United States 5/2018) – Skin Absorption –
TWA: 240mg/m^3 8 Hours.
TWA: 50 ppm 8 Hours.

NIOSH REL - (United States 10/2020) – Skin Absorption –
TWA: 24mg/m^3 10 Hours.
TWA: 5ppm 10 Hours.

VENTILATION: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

RESPIRATORY PROTECTION: Wear a NIOSH/OSHA approved respirator, approved for use with propionic acid, if necessary.

EYE PROTECTION: Safety glasses with side shields as described by OSHA's eye and face protection regulations in 29CFR 1910.133. 

SKIN PROTECTION: Wear impervious protective clothing, long pants and long-sleeved shirt, waterproof gloves (including socks and boots), lab coat, apron or coveralls, as appropriate – to prevent skin contact. 

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Eye wash and safety shower should be easily accessible.

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water before and after handling product, eating, drinking, or using tobacco products, using the lavatory and at the end of the working period. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES: If exposed, see section 4 for acute exposure first aid.

SECTION 8 NOTES: None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear Liquid	**VAPOR PRESSURE (mmHg):**	**F:** Not Applicable **C:** Not Applicable
ODOR:	Characteristic		
ORDER THRESHOLD;	Not Applicable	**VAPOR DENSITY (AIR = 1):**	**F:** Not Tested **C:** Not Tested
PHYSICAL STATE:	Liquid		
pH AS SUPPLIED:	12.5	**DENSITY:**	1.01 g/cm^3 (8.429 lbs/gal)
INITIAL BOILING POINT:	**F:** 212° **C:** 100°	**SPECIFIC GRAVITY:**	1.38
		EVAPORATION RATE:	Highest known value: <1 (Water) Weighted average: 0.85 compared with Butyl Acetate
BOILING POINT RANGE:	**F:** Not Determined **C:** Not Determined		
MELTING POINT:	**F:** Not Determined **C:** Not Determined	**SOLUBILITY IN WATER:**	Not Tested
		PARTITION COEFFICIENT:	Not Applicable
FREEZING POINT:	**F:** Not Determined **C:** Not Determined		
METHOD USED:	N/A	**AUTO-IGNITION TEMPERATURE:**	230°C (446°F) (2-butoxyethanol (111-76-2))
FLASH POINT:	**F**: Not Determined **C**: Not Determined		
FLAMMABILITY (solid, gas):	Not Available	**DECOMPOSITION TEMPERATURE:**	Not Applicable
FLAMMABLE LIMITS:	Not Tested		
		VISCOSITY:	Not Tested

SECTION 9 NOTES: VALUES ARE NOT PRODUCT SPECIFICATIONS.
Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable ◉ Unstable ○

POSSIBILITY OF HAZARDOUS REACTIONS:	Under normal conditions of storage and use, hazardous reactions will not occur.
INCOMPATIBILITY (MATERIAL TO AVOID):	None known based on information supplied.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
HAZARDOUS POLYMERIZATION:	Under normal conditions of storage and use, hazardous polymerization should not occur.
CONDITIONS TO AVOID:	No specific data.

SECTION 11: TOXICOLOGICAL INFORMATION

SECTION 10 NOTES:	None.
ACUTE ORAL TOXICITY:	No known significant effects or critical hazards. Adverse symptoms may include the following: stomach pains.
ACUTE DERMAL TOXICITY:	Causes severe burns. Adverse symptoms may include the following: Pain or Irritation, Redness, Blistering may occur.
ACUTE INHALATION TOXICITY:	No known significant effects or critical hazards.
EYE DAMAGE / IRRITATION:	Causes serious eye damage. Adverse symptoms may include the following: Pain, Watering, Redness.
CARCINOGENITY:	No known significant effects or critical hazards.
COMPONENT INFORMATION:	2-butoxyethanol (111-76-2) ORAL LD_{50}: 34285.71 mg/kg DERMAL LD_{50}: Not Determined INHALATION LD_{50}: 85.71 mg/L
SECTION 11 NOTES:	Short term immediate effects, potential short term delayed effects, long-term immediate effects and long term potential delayed effects are not available.

SECTION 12: ECOLOGICAL INFORMATION

Product/ingredient name	Result	Species	Exposure
2-butoxyethanol	Acute LC50 1250000 µg/l Marine water	Fish - *Menidia beryllina*	96 hours
	Chronic NOEC 1000 mg/l Fresh water	Daphnia - *Daphnia magna*	48 hours
Triethanolamine	Acute EC50 609.98 to 658.3 mg/l Fresh water	Daphnia - *Ceriodaphnia dubia* - Neonate	48 hours
	Acute LC50 >100000 µg/l Marine water	Crustaceans - *Crangon crangon* - Adult	48 hours
		Fish - *Pimephales promelas*	
	Acute LC50 11800000 to 13000000 µg/l Fresh water		96 hours

ECOLOGICAL INFORMATION: Do not contaminate water when disposing of equipment wash waters or rinsate.

MOBILITY:
PERSISTENCE/DEGRADABILITY: This product has not been tested.

BIOACCUMULATION: Not Determined.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe manner. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff/contact with soil, waterways, drains and sewers.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container.

Containers with a capacity of equal to or less than 5 gallons:

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

1) Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip.
2) Fill the container ¼ full with water and recap. Shake for 10 seconds.
3) Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip.
4) Repeat this procedure two more times.

Containers with a capacity of greater than 5 gallons:

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

1) Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures.
2) Tip the container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times.
3) Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal.
4) Repeat this procedure two more times.
5) Offer for recycling (if available) or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or – if allowed by state and local authorities – by burning. **If burned, keep out of smoke.**

RCRA HAZARD CLASS: Not subject to RCRA Subtitle C Regulation

CALIFORNIA HAZARDOUS WASTE STATUS: Not Regulated.

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Description: Not Regulated.

U.S. Surface Freight Classification: NMFC 101716, class 50 (Liquid). Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None.

SECTION 14 NOTES: Please see current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS: Clean Water Act (CWA) 311: Sodium Hydroxide, Propylene Oxide

SARA 311/312 Hazard Categories

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

SARA 313 – Supplier Notification – BUTYL CELLOSOLVE (111-76-2) **2.5-5%**
SARA 313 notifications must not be detatched from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State Regulations

New York	New Jersey	Massachusetts	Pennsylvania
2-BUTOXYETHANOL (111-76-2) Triethanolamine (102-71-6)	2-BUTOXYETHANOL (111-76-2) Triethanolamine (102-71-6)	2-BUTOXYETHANOL (111-76-2) Triethanolamine (102-71-6)	2-BUTOXYETHANOL (111-76-2) Triethanolamine (102-71-6)

Toxics in Packaging (CONEG): In Compliance

International Regulations:
Australia Inventory (AIIC): At least one component is not listed.
China Inventory (IECSC): All components are listed or exempted.
Japan Inventory (CSCL): Not determined.
Korea Inventory: At least one component is not listed.
New Zealand Inventory of Chemicals (NZIoC): At least one component is not listed.
Philippines Inventory (PICCS): At least one component is not listed.
Taiwan Chemical Substances Inventory (TCSI): All components are listed or exempted.
Turkey Inventory: Not determined.
Europe Inventory: Please contact your supplier to obtain this information.
Canada Inventory (DSL): All components are listed or exempted.

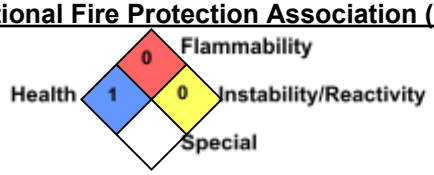
California Proposition 65
This product does not contain any Proposition 65 chemicals.

Special Precautions for User:
Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15 NOTES: Harmful if absorbed through skin or in eyes. Causes severe eye and skin damage. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

SECTION 16: OTHER INFORMATION

National Fire Protection Association (U.S.A.)



Key to abbreviations:

ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

DATE OF PREPARATION/LAST REVISION: May 29th, 2024

OTHER INFORMATION:

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC).
The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC, and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

DISCLAIMER

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This SDS is intended to comply with OSHA regulations under the Hazard Communication Standard (29 CFR 1910.1200) and other applicable regulatory requirements. Users are encouraged to consult additional resources and seek professional advice to ensure comprehensive compliance with all relevant health, safety, and environmental regulations. This SDS may be updated periodically to reflect new information or regulatory changes. Users should ensure they are referring to the most recent version of the SDS. Inclusion of any specific product, material, or process in this SDS does not imply endorsement or approval by the manufacturer. The information provided is not intended to replace professional judgment or regulatory advice.