Safety Data Sheet
Tufstuff

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Tufstuff
PRODUCT CODE: 2830
RECOMMENDED USE: Oven Cleaner
RESTRICTIONS ON USE: None known.
COMPANY NAME: QuestSpecialty Corporation
COMPANY ADDRESS: PO Box 624 Brenham, TX 77834
COMPANY PHONE: 1-800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Skin Corrosive: Category 1A
Eye Damage: Category 1
Corrosive to Metals: Category 1
HAZARD STATEMENT(S): DANGER: Causes severe skin burns and serious eye damage. May be corrosive to metals.
This product contains the following percentage of chemicals of unknown toxicity**:** N/A
PRECAUTIONARY STATEMENTS: Do not breathe mists. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye protection. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents and container in accordance with local, state and national regulations. Keep only in original container. Absorb spillage to prevent material damage. Store in a corrosive resistant container with a resistant inner liner.
SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Potassium hydroxide	1310-58-3	5-10%

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
INGESTION: Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Seek immediate medical attention. Never give anything by mouth to an unconscious person.
INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
SKIN: Immediately wash with water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek immediate medical attention.
ACUTE HEALTH HAZARDS: Causes severe burns in contact with skin. Causes serious damage to eyes. Inhalation may cause severe irritation to the nose, throat and respiratory tract. Ingestion may cause digestive tract burns.
CHRONIC HEALTH HAZARDS: Sodium hydroxide may produce inflammation of the eyes, skin, and mucous membranes.
NOTE TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the clinical condition. The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage. Product is alkaline.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA: Water jets or streams.
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers. Prevent run off from entering streams, sewers or drinking water supply.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from heat, sparks, open flames and hot surfaces. No smoking.
HAZARDOUS COMBUSTION PRODUCTS: None known.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.
SPILL: Dike area to contain spill. Dilute spill with large quantities of water and then neutralize with a dilute acid. Flush area with water until clean.
WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Check the pH of the waste to be disposed; if it is greater than 12.5, it must be handled as a RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261, hazardous waste number D002. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid). Observe all warnings and precautions listed for the product.
RCRA STATUS: Waste likely considered D002 (Corrosive waste) due to the pH of the solution and the corrosive characteristic.

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat, open flames or other sources of ignition. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Protect from sunlight. Store in a cool, dry area. Do not allow material to contact strong acids, aluminum or other incompatible materials. Replace cap on container after each use. Keep out of reach of children. Wear protective clothing when using. Wash hands thoroughly after handling.
OTHER PRECAUTIONS: Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.
INCOMPATIBILITY: Strong acids, strong oxidizing agents, chemically active metals.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Potassium hydroxide	2 mg/m3	2 mg/m3

ENGINEERING CONTROLS / VENTILATION: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable limits.
RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.
PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles, chemical resistant gloves and synthetic apron.
ADDITIONAL MEASURES: Avoid contact with skin, eyes or clothing. If clothing becomes contaminated, immediately remove and wash. Wash hands thoroughly with soap and water after use. Use good industrial hygiene practices.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colorless to slight yellow tint.
ODOR: No distinct odor.
ODOR THRESHOLD: N/D
pH: 11-14
MELTING POINT/FREEZING POINT: 32 °F (0 °C).
INITIAL BOILING POINT AND BOILING RANGE: > 212 °F (100 °C).
FLASH POINT: N/D
EVAPORATION RATE: N/D
FLAMMABILITY (solid/gas): Not considered a flammable liquid by OSHA (29CFR 1910.1200).
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:
LOWER FLAMMABILITY LIMIT: N/D
UPPER FLAMMABILITY LIMIT: N/D
EXPLOSIVE LIMIT LOWER (%): N/D
EXPLOSIVE LIMIT UPPER (%): N/D
VAPOR PRESSURE (mm Hg): N/D
VAPOR DENSITY (AIR=1): N/A

RELATIVE DENSITY (H2O=1): 1.06 – 1.125 @ 77 °F (25 °C).
SOLUBILITY(IES): 100% water.
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{OW}): N/D
AUTOIGNITION TEMPERATURE: N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: 460 – 1250 cps.

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: Chemically active metals and acids.
CHEMICAL STABILITY: Stable.
POSSIBLE HAZARDOUS REACTIONS: None known.
CONDITIONS TO AVOID: Extremes of hot and cold. Do not mix with other chemicals and avoid contact with incompatible materials.
INCOMPATIBLE MATERIALS: Strong acids, strong oxidizing agents, chemically active metals.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Sodium hydroxide (1310-73-2): LD_{50} (Oral, Rabbit) 400 mg/kg.
ROUTES OF ENTRY: Eyes, Ingestion, Skin
EYES: Causes severe burns, irritation, redness, tearing, pain. May result in loss of sight.
INGESTION: Causes gastrointestinal irritation, nausea, irritant to mouth, mucous membranes.
INHALATION: May cause respiratory tract irritation, dizziness, headaches, nausea.
SKIN: Causes severe burns. Prolonged contact will destroy tissue. Burns may not be immediately painful.
MEDICAL CONDITION AGGRAVATED: Asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.
ACUTE HEALTH HAZARDS: Causes severe burns in contact with skin. Causes serious damage to eyes. Inhalation may cause severe irritation to the nose, throat and respiratory tract. Ingestion may cause digestive tract burns.
CHRONIC HEALTH HAZARDS: Sodium hydroxide may produce inflammation of the eyes, skin, and mucous membranes.
CARCINOGENICITY: OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Potassium hydroxide (1310-58-3): LC_{50} (*Gambusia affinis*, 96h) 80 mg/L.
PERSISTENCE AND DEGRADABILITY: Component or components of this product are not biodegradable.
BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.
MOBILITY IN SOIL: This product is mobile in soil.
OTHER ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of improper handling or disposal.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Check the pH of the waste to be disposed; if it is greater than 12.5, it must be handled as a RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261, hazardous waste number D002. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid). Observe all warnings and precautions listed for the product.
RCRA STATUS: Waste likely considered D002 (Corrosive waste) due to the pH of the solution and the corrosive characteristic.

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: For inner packagings not over 1 L (0.3 gallons) net capacity each: Cleaning compound, n.o.s., not regulated. For inner and other packagings over 1 L (0.3 gallons) each net capacity: Sodium hydroxide solution.
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN1824
PACKING GROUP: II

AIR SHIPMENT
PROPER SHIPPING NAME: Sodium hydroxide solution.
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN1824
PACKING GROUP: II

SHIPPING BY WATER:
VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Sodium hydroxide solution.
HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN1824
PACKING GROUP: II
ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Potassium hydroxide (1310-58-3) Reportable Quantity = 1,000 pounds.
SARA 311/312 HAZARD CATEGORIES: Skin corrosion or irritation. Serious eye damage or eye irritation. Corrosive to metal.
SARA 313 REPORTABLE INGREDIENTS: This product does not contain any chemical components with known CAS numbers that exceed the threshold (*de minimis*) reporting levels established by SARA Title III, Section 313.
CLEAN WATER ACT: Potassium hydroxide (1310-58-3) is a hazardous substance.
STATE REGULATIONS: California Proposition 65: This product does not contain chemicals regulated by California Proposition 65. **Sodium hydroxide** (1310-73-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, MA, PA, RI.
INTERNATIONAL REGULATIONS: No information available.
VOLATILE ORGANIC COMPOUNDS (VOC): 3%

NFPA HEALTH:	3	**HMIS HEALTH:**	3
NFPA FLAMMABILITY:	0	**HMIS FLAMMABILITY:**	0
NFPA REACTIVITY:	1	**HMIS REACTIVITY:**	1
NFPA OTHER:	None	**HMIS PROTECTION:**	C

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Craig Bernard
DATE PREPARED: 11/26/2013
REVISION DATE: 04/03/2024

N/A = Not Applicable; N/D = Not Determined

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