

**Safety Data Sheet**  
**STAF**

**SECTION I - IDENTIFICATION**

**PRODUCT IDENTIFIER:** STAF  
**PRODUCT CODE:** 3290  
**RECOMMENDED USE:** Hospital Spray Disinfectant  
**RESTRICTIONS ON USE:** None known.  
**COMPANY NAME:** QuestSpecialty Corporation  
**COMPANY ADDRESS:** P.O. Box 624, Brenham, TX 77834  
**COMPANY PHONE:** 800-231-0454  
**EMERGENCY PHONE:** 800-255-3924

**SECTION II – HAZARDS IDENTIFICATION**

**CLASSIFICATION:** Flammable Aerosol: Category 2  
Gases Under Pressure: Liquefied Gas  
Skin Irritant: Category 2  
Eye Irritant: Category 2A  
Specific Target Organ Toxicity (Single Exposure): Category 3

**HAZARD STATEMENT(S):** **WARNING:** Flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin and serious eye irritation. May cause drowsiness or dizziness.

This product contains the following percentage of chemicals of unknown toxicity: N/A

**PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Avoid breathing mist, vapors or spray. Use only outdoors or in well-ventilated areas. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. Dispose of contents and container in accordance with local, state and federal regulations.

**SYMBOL:**



**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

**SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Isopropyl Alcohol	67-63-0	30-60%
N-Butane	106-97-8	10-20%
Propane	74-98-6	3-7%

**SECTION IV - FIRST AID MEASURES**

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.  
**INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.  
**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 soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.  
**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision.

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Skin: defatting and dermatitis.

Oral: abdominal irritation, nausea, vomiting, and diarrhea. Inhalation: irritation, dizziness, drowsiness.

**CHRONIC HEALTH HAZARDS:** Skin disorders, drying and irritation of the skin.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

## SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, standard chemical fire extinguisher, and water fog.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**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. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, nitrogen.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations.

**WASTE DISPOSAL:** Do not puncture or incinerate! If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

**RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).

## SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Store in cool, dry area away from children and pets and away from heat, sparks and open flame. Do not transport or store below 32 °F. Wear appropriate protective equipment. Do not inhale mist or vapor. Use only with adequate ventilation. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50 °C/122 °F.

**OTHER PRECAUTIONS:** Do not contaminate other materials (including foods/drinks/feeds/water) during transport, use, storage, and disposal.

**INCOMPATIBILITY:** Strong alkalis, oxidizers, bases, reactive metals, and natural rubber

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Isopropyl Alcohol	400 ppm	200 ppm
N-Butane	Not Established	1000 ppm
Propane	1000 ppm	1000 ppm

**ENGINEERING CONTROLS / VENTILATION:** General ventilation and local exhaust should be adequate.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves.

**ADDITIONAL MEASURES:** Wash hands and clothing in contact with product after use.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, colorless spray

**ODOR:** Medicinal, mild scent

**ODOR THRESHOLD:** N/D

**pH:** 9.8 - 10.3

**MELTING POINT/FREEZING POINT:** N/D

**INITIAL BOILING POINT AND BOILING RANGE:** N/D

**FLASH POINT:** N/D

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**EVAPORATION RATE:** N/D  
**FLAMMABILITY(solid/gas):** Flammable Aerosol  
**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/D  
**RELATIVE DENSITY (H<sub>2</sub>O=1):** 0.87 - 0.915 @ 77° F (25° C)  
**SOLUBILITY(IES):** 100% water  
**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D  
**AUTOIGNITION TEMPERATURE:** N/D  
**DECOMPOSITION TEMPERATURE:** N/D  
**VISCOSITY:** N/D

## SECTION X – STABILITY AND REACTIVITY

**REACTIVITY:** None known.  
**CHEMICAL STABILITY:** Stable.  
**POSSIBLE HAZARDOUS REACTIONS:** None known.  
**CONDITIONS TO AVOID:** Temperatures greater than 122 °F and sources of ignition. Avoid incompatibles.  
**INCOMPATIBLE MATERIALS:** Strong alkalis, oxidizers, bases, reactive metals, and natural rubber  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon, Nitrogen, Ammonia, and various Hydrocarbons.

## SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** **Isopropyl Alcohol** (67-63-0) Oral LD<sub>50</sub> (Rat): 5045mg/kg; Dermal LD<sub>50</sub> (Rabbit): 12870mg/kg; Inhalation LC<sub>50</sub> (Rat, 4h): 78.6 mg/L **Propane** (74-98-6) LC<sub>50</sub> (Inhalation, Rat, 4hr) 658 mg/l **n-Butane** (106-97-8) LC<sub>50</sub> (Inhalation, Rat, 4hr) 30957 mg/m<sup>3</sup>  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** Causes moderate to severe irritation, redness, tearing, pain  
**INGESTION:** May cause gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, depending on the amount ingested. Small amounts unlikely to cause irritation.  
**INHALATION:** Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.  
**SKIN:** May cause mild irritation with prolonged or repeated contact.  
**MEDICAL CONDITION AGGRAVATED:** Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.  
**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision.  
Skin: defatting and dermatitis.  
Oral: abdominal irritation, nausea, vomiting, and diarrhea. Inhalation: irritation, dizziness, drowsiness.  
**CHRONIC HEALTH HAZARDS:** Skin disorders, drying and irritation of the skin.  
**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

## SECTION XII – ECOLOGICAL INFORMATION

**ECOTOXICITY:** This material is toxic to aquatic life. **Isopropyl Alcohol** (67-63-0) LC<sub>50</sub> (Fish, 96h): > 100 mg/l; LC<sub>50</sub> (Fathead Minnow, 96h) 9640 mg/l; EC<sub>50</sub> (Daphnia, 24h): 5102 mg/l  
**PERSISTENCE AND DEGRADABILITY:** This product is biodegradable.  
**BIOACCUMULATIVE POTENTIAL:** This product is not expected to bioaccumulate.  
**MOBILITY IN SOIL:** This product is mobile in soil.  
**OTHER ADVERSE EFFECTS:** None known.

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Do not puncture or incinerate! If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.  
**RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).

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**SECTION XIV - TRANSPORT INFORMATION**

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**PACKING GROUP:** None

**AIR SHIPMENT**

**PROPER SHIPPING NAME:** Aerosols, flammable  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**PACKING GROUP:** None

**SHIPPING BY WATER:**

**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**PACKING GROUP:** None  
**ENVIRONMENTAL HAZARDS WATER:** N/A

**SECTION XV - REGULATORY INFORMATION**

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Sodium Nitrite (7632-00-0) Reportable  
Quantity = 100 pounds

**SARA 311/312 HAZARD CATEGORIES:** Flammable (gases, aerosols, liquids, solids). Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure).

**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.

**INTERNATIONAL REGULATIONS:** No information available.

**VOLATILE ORGANIC COMPOUNDS (VOC):** 60%

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION:** Keep out of reach of children. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear long-sleeved shirt, long pants, socks and shoes. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Harmful if swallowed. Flammable! Contents under pressure. Do not use near fire, sparks or flame. Do not puncture or incinerate container. Exposure to temperatures above 130 °F may cause bursting.

EPA Reg. No. 44446-20

**NFPA HEALTH:** 1  
**NFPA FLAMMABILITY:** 2  
**NFPA REACTIVITY:** 0  
**NFPA OTHER:** None

**HMIS HEALTH:** 1  
**HMIS FLAMMABILITY:** 2  
**HMIS REACTIVITY:** 0  
**HMIS PROTECTION:** B

**SECTION XVI - OTHER INFORMATION**

**PREPARATION BY:** Roberto Cerón  
**DATE PREPARED:** 11/13/2013  
**REVISION DATE:** 06/24/2021

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

**DISCLAIMER:** To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or

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accuracy. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.