

# Safety Data Sheet

Revive

## SECTION I - IDENTIFICATION

**PRODUCT NAME:** Revive  
**PRODUCT CODE:** 5960  
**PRODUCT USE:** Rust Converter  
**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:** Flammable Aerosol: Category 1  
Liquefied Gas  
Skin Irritant: Category 2  
Eye Irritant: Category 2A  
Specific Target Organ Toxicity (Single Exposure): Category 3

**HAZARD STATEMENT(S): DANGER:** Extremely Flammable Aerosol Contains gas under pressure: May explode if heated. Causes skin and serious eye irritation. May cause respiratory irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

**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 50C/122F. 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 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 fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Store locked up. Dispose of contents and container in accordance with local, state, and national regulations.



**SYMBOL:**

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

## SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
2-Butoxyethanol	111-76-2	5-10%
Isopropyl Alcohol	67-63-0	5-10%
Propane/n-Butane	68476-86-8	15-40%
Acetone	67-64-1	30-60%
Diethylene Glycol	111-46-6	3-7%
Tannic Acid	1401-55-4	1-5%

## SECTION IV - FIRST AID MEASURES

**EYES:** 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 advice or attention.

**INGESTION:** If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

**INHALATION:** If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

**SKIN:** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, and diarrhea

**CHRONIC HEALTH HAZARDS:** None known

# Safety Data Sheet

## Revive

**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

### SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, and water fog.

**UNSUITABLE EXTINGUISHING MEDIA:** Water spray/stream.

**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.

**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

### SECTION VI – ACCIDENTAL RELEASE MEASURES

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

**SPILL:** Use non-combustible material like vermiculite, sand or earth on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations.

**RCRA STATUS:** Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Store locked up.

**OTHER PRECAUTIONS:** Keep out of the reach of children.

**INCOMPATIBILITY:** Concentrated nitric & sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, plastics, rubber, coatings

### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
2-Butoxyethanol	50 ppm	20 ppm
Isopropyl Alcohol	400 ppm	200 ppm
Propane/n-Butane	N/A	1000 ppm
Acetone	1000 ppm	500 ppm
Diethylene Glycol	Not Established	Not Established
Tannic Acid	Not Established	Not Established

**ENGINEERING CONTROLS / VENTILATION:** Use only outdoors or in a well-ventilated area.

**RESPIRATORY PROTECTION:** Not required with normal use.

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

**ADDITIONAL MEASURES:** Wash hands thoroughly after handling.

**EXPOSURE GUIDELINES:** Extremely Flammable

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, Brown Aerosol

**ODOR:** Solvent

**ODOR THRESHOLD:** N/D

**BOILING POINT:** > 150°F (66°C)

**FREEZING POINT:** N/D

**FLAMMABILITY:** Extremely Flammable Aerosol

**FLASH POINT:** 65°F (18°C)

**AUTOIGNITION TEMPERATURE:** N/D

# Safety Data Sheet

Revive

**LOWER FLAMMABILITY LIMIT:** N/D  
**UPPER FLAMMABILITY LIMIT:** N/D  
**VAPOR PRESSURE (mm Hg):** 77 @ 77°F (25°C)  
**VAPOR DENSITY (AIR=1):** > 1 @ 77°F (25°C)  
**EVAPORATION RATE:** > 1  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** .85 @ 77°F (25°C)  
**pH:** 1.9  
**SOLIDS (%):** 10%  
**SOLUBILITY IN WATER:** Non-soluble  
**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D  
**VOLATILITY INCLUDING WATER (%):** 90%  
**VOLATILE ORGANIC COMPOUNDS (VOC):** 44%  
**DIELECTRIC STRENGTH (Volts):** N/A  
**DECOMPOSITION TEMPERATURE:** N/D  
**VISCOSITY:** N/D

## SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** None Known  
**CHEMICAL STABILITY:** Stable  
**CONDITIONS TO AVOID:** Extremes of hot and cold.  
**INCOMPATIBILITY:** Concentrated nitric & sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, plastics, rubber, coatings  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of carbon  
**POSSIBLE HAZARDOUS REACTIONS:** None Known

## SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** **2-Butoxyethanol** (111-76-2) LD<sub>50</sub> (Oral, Rat) 470 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 4hr) 450 ppm; LD<sub>50</sub> (Dermal, Rabbit) 220 mg/kg **Acetone** (67-64-1) LD<sub>50</sub> (Oral, Rat) 5800 mg/kg; LD<sub>50</sub> (Oral, Mouse) 3000 mg/kg; LD<sub>50</sub> (Oral, Rabbit) 5340 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 8hr) 50100 mg/m<sup>3</sup>; LC<sub>50</sub> (Inhalation, Mouse, 4hr) 44,000 mg/m<sup>3</sup> **Diethylene Glycol (DEG)** (111-46-5) LD<sub>50</sub> (Oral, Rat) 25,300 mg/kg; LD<sub>50</sub> (Oral, Human) 1,000 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) 12,500 mg/kg; LC<sub>50</sub> (Inhalation, Rat) > 1,172 ppm **Propane/n-Butane** (68476-86-8) LC<sub>50</sub> (Inhalation, Rat, 4hr) 685 mg/m<sup>3</sup>

**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** Redness, irritation, causes temporary corneal opacity.  
**INGESTION:** Nausea.  
**INHALATION:** Will cause dizziness, anesthesia and possibly death if breathed directly.  
**SKIN:** May cause burns.  
**MEDICAL CONDITION AGGRAVATED:** None known  
**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision  
Skin: defatting and dermatitis  
Inhalation: Irritation  
Oral: abdominal irritation, nausea, vomiting, and diarrhea  
**CHRONIC HEALTH HAZARDS:** None known  
**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

## SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** **2-Butoxyethanol** (111-76-2) Toxic to aquatic life only in high concentrations, lethal concentrations not available. **Acetone** (67-64-1) LC<sub>50</sub> (Trout, 96hr) 5540 mg/L; LC<sub>50</sub> (Bluegill, 96hr) 8300 mg/L; LC<sub>50</sub> (Fathead Minnow, 96hr) 7500 mg/L **Diethylene Glycol (DEG)** (111-46-5) LC<sub>50</sub> (Bluegill Sunfish) > 1000 mg/L **Isopropyl Alcohol** (67-63-0) LC<sub>50</sub> (Fathead Minnow, 96 hrs) 100,000 mg/L  
**BIODEGRADABILITY:** Component or components of this product are not biodegradable.  
**BIOACCUMULATION:** This product is not expected to bioaccumulate.  
**SOIL MOBILITY:** This product is mobile in soil.  
**OTHER ECOLOGICAL HAZARDS:** None Known

# Safety Data Sheet

Revive

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations.

**RCRA STATUS:** Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.

**HAZARD CLASS/DIVISION:** 2.1

**UN/NA NUMBER:** UN 1950

**PACKAGING GROUP:** N/A

### AIR SHIPMENT

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.

**HAZARD CLASS/DIVISION:** 2.1

**UN/NA NUMBER:** UN 1950

### SHIPPING BY WATER:

#### VESSEL (IMO/IMDG)

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.

**HAZARD CLASS/DIVISION:** 2.1

**UN/NA NUMBER:** UN 1950

**ENVIRONMENTAL HAZARDS WATER:** N/A

## SECTION XV - REGULATORY INFORMATION

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

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Fire Hazard **Acetone** (67-64-1)  
Reportable Quantity = 5,000 lbs

**SARA 311/312 HAZARD CATEGORIES:** Fire Hazard

**SARA 313 REPORTABLE INGREDIENTS:** **2-Butoxyethanol** (111-76-2)

**CLEAN WATER ACT:** None

**STATE REGULATIONS:** This product contains no known chemicals regulated by California's proposition 65.

**2-Butoxyethanol** (111-76-2) RTK: NJ, MA, PA

**INTERNATIONAL REGULATIONS:** **2-Butoxyethanol** (111-76-2) Europe (EINECS), Japan (ENCS), Australia (AICS), WHMIS (Canada), DSCL (EEC), NDSL, Korea (ECL), Philippines (PICCS), New Zealand (NZIOC), China (IECS). **Acetone** (67-64-1) Australia, China, Europe (EINECS), Japan, Korea, United Kingdom, Canada, WHMIS (Canada): CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC). p. 6; DSCL (EEC): R11- Highly flammable. R36- Irritating to eyes. S9- Keep container in a well-ventilated place. S16- Keep away from ignition sources. S26- In case of eye contact, rinse immediately with plenty of water and seek medical advice.

**NFPA HEALTH:** 2

**NFPA FLAMMABILITY:** 4

**NFPA REACTIVITY:** 1

**NFPA OTHER:** None

**HMIS HEALTH:** 2

**HMIS FLAMMABILITY:** 4

**HMIS REACTIVITY:** 1

**MIS PROTECTION:** B

## SECTION XVI - ADDITIONAL INFORMATION

**PREPARATION BY:** Jonathon Jarvis

**DATE PREPARED:** 07/05/2013

**REVISION DATE:** 09/24/2014

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

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### **Revive**

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 accuracy. Since the conditions or 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.