



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TCU NEUTRALIZER CS20QT, CS20GL

NFPA/HMIS: Health 1
Flammability 2
Reactivity 0

MATERIAL SAFETY DATA SHEET

U.S. DEPARTMENT OF LABOR

COMPLIES WITH USDL SAFETY AND HEALTH REGULATIONS 29CFR1910.1200

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: TCU Neutralizer

MANUFACTURER:

Bridgepoint Systems
542 W. Confluence Avenue
Salt Lake City, UT 84123
Telephone: 801-261-1282
Prepared 5/1/08

EMERGENCIES: (800) 535-5053 (Infotrac)

NFPA/HMIS RATINGS: Health: 1, Flammability: 2, Reactivity: 0

SECTION 2: INGREDIENTS

HAZARDOUS INGREDIENTS:

Acetic Acid (CAS # 64-19-7)
Citric Acid (CAS # 77-92-9)

OSHA PEL

10 p.p.m.
N/E

TLV

10 p.p.m.
N/E

SECTION 3: HEALTH HAZARD INFORMATION

Route(s) of entry Eyes? Yes Skin? Yes Inhalation? Yes Ingestion? Yes
Health Hazards: Eyes –May cause irritation.
Skin –May cause irritation.
Inhalation –Avoid breathing mist. May cause irritation.
Ingestion – May cause irritation.

Carcinogenicity: NTP: Known – No; Anticipated – No OSHA: -No IARC: No

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

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Eyes: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.

Skin: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.

Ingestion: Call a physician or poison control center immediately. Do NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 159° F (Closed cup)

Extinguishing Media: water spray, dry chemical, carbon dioxide, alcohol foam

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Use water spray to keep fire-exposed containers cool.

Hazardous Combustion Products: carbon dioxide, carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Eliminate all ignition sources. Neutralize with soda ash lime. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

For Large Spills: Use water spray to disperse vapors and flush spill area.

Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

SECTION 7: HANDLING AND STORAGE

Personal Precautionary Measures: Do not get in eyes, on skin, on clothing.

Avoid breathing mist or vapor. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

Storage: Keep container closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable unless listed below.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level an approved respirator must be worn.

Eye Protection: Wear safety glasses.

Skin Protection: Wear chemical-resistant gloves.

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SECTION 9: PHYSICAL DATA

Odor: Apple vinegar

Physical State: Liquid.

Appearance: Clear, Colorless

pH: 2.8 to 3.5

Specific Gravity: 1.02 g/mL

Boiling Point: N/E

Freezing/Melting Point: N/E

Vapor Pressure: N/E

Vapor Density: N/E

Solubility in Water: Complete

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility: Material reacts with strong oxidizing agents.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

Data for acetic acid.

Oral LD-50:(rat) 3,310 - 3,530 mg/kg

Oral LD-50:(mouse) 4,960 mg/kg

Inhalation LC-50: (mouse) 1 h: 5620 ppm

Dermal LD-50: (rabbit) 1,060 mg/kg

Skin Irritation (rabbit) severe

Eye Irritation (rabbit) severe

SECTION 12: ECOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

Acetic acid is a strongly acidic aqueous solution, and this property may cause adverse environmental effects.

Data for a major component:

Oxygen Demand Data:

BOD-5: 340 - 880 mg/g

COD: 1,000 mg/g

Acute Aquatic Effects Data:

96 h LC-50 (fathead minnow): > 100 mg/l

48 h LC-50 (mosquito fish): 251 mg/l

48 h LC-50 (golden orfe): 410 mg/l

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96 h LC-50 (daphnid): 100 mg/l

SECTION 13: DISPOSAL CONSIDERATIONS

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

SECTION 14: TRANSPORT INFORMATION

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

SECTION 15: REGULATORY INFORMATION

All components are listed on TSCA

SECTION 16: OTHER INFORMATION

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. BRIDGEPOINT SYSTEMS MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A = Not applicable N/D = Not determined N/E = Not established