

Safety Data Sheet
Clean Ice

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Clean Ice
PRODUCT CODE: 6660
RECOMMENDED USE: Ice Machine Cleaner
RESTRICTIONS ON USE: None known.
COMPANY NAME: QuestSpecialty Corporation
COMPANY ADDRESS: PO Box 624, Brenham, TX 77834
COMPANY PHONE: 800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Skin Corrosive: Category 1B

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 and eye protection. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Immediately take off 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 federal 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
Phosphoric acid	7664-38-2	80-100%

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: Rinse mouth out with water. Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek immediate medical attention. Wash contaminated clothing before reuse.

ACUTE HEALTH HAZARDS: Causes severe burns in contact with skin. Causes severe damage to eyes. Inhalation may cause severe irritation to the nose, throat and respiratory tract. Ingestion may cause digestive tract burns.

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

NOTE TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam, and water spray or fog.

UNSUITABLE EXTINGUISHING MEDIA: Water jets or streams.

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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: Non-combustible. Water spray may be used to keep fire exposed containers cool.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and phosphorus, toxic fumes.

SECTION VI – ACCIDENTAL RELEASE MEASURES

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

SPILL: Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains and natural waterways. Place waste in proper containers for disposal.

WASTE DISPOSAL: 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. Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection.

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: Wear proper personal protective equipment when using this product. Do not get in eyes. Do not get on the skin. Do not breathe mist. Do not take internally. Do not store with acids. Keep container tightly closed. Store in a cool, dry area. Store locked up. Wash hands thoroughly after handling.

OTHER PRECAUTIONS: Keep out of the reach of children and do not store near food, drink, or animal food. 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: Alkalis, phosphorus compounds, cyanides, carbide, mercaptans, glass, steel and metals.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Phosphoric acid	1 mg/m ³	1 mg/m ³

ENGINEERING CONTROLS / VENTILATION: Provide adequate ventilation to keep vapor concentration below TLV.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.

ADDITIONAL MEASURES: Avoid contact with skin, eyes or clothing. Do not touch eyes when using this product. Wash hands thoroughly with soap and water after use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear yellow liquid.

ODOR: Acid odor (bland).

ODOR THRESHOLD: N/D

pH: < 1.

MELTING POINT/FREEZING POINT: 1 - 70 °F (-17 - 21 °C).

INITIAL BOILING POINT AND BOILING RANGE: > 212 °F (100 °C).

FLASH POINT: N/D

EVAPORATION RATE: Slow.

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

EXPLOISVE LIMIT UPPER (%): N/D

VAPOR PRESSURE (mm Hg): 1.62 - 4.17 mmHg @ 68 °F (20 °C).

VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H2O=1): 1.58 - 1.62 @77 °F (25 °C).

SOLUBILITY(IES): 100% water.

PARTITION COEFFICIENT: n-OCTANOL/WATER (Kow): N/D

AUTOIGNITION TEMPERATURE: N/D

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DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: Chemically active metals and bases.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Avoid heat, sparks and flames.

INCOMPATIBLE MATERIALS: Alkalis, phosphorus compounds, cyanides, carbide, mercaptans, glass, steel and metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of phosphorus. Toxic fumes.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Phosphoric Acid** (7664-38-2) LD₅₀ (Oral, Rat) 1,530 mg/kg; LD₅₀ (Dermal, Rabbit) > 2,740 mg/kg.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes severe irritation, burning, redness, tearing, pain. Can cause irreversible tissue damage and blindness.

INGESTION: Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.

INHALATION: Causes respiratory tract irritation, coughing, shortness of breath.

SKIN: Causes severe burns.

MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS: Causes severe burns in contact with skin. Causes severe damage to eyes. Inhalation may cause severe irritation to the nose, throat and respiratory tract. Ingestion may cause digestive tract burns.

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: Harmful to aquatic life with long lasting effects.

PERSISTENCE AND DEGRADABILITY: No additional information available.

BIOACCUMULATIVE POTENTIAL: No additional information available.

MOBILITY IN SOIL: N/D

OTHER ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of improper handling or disposal.

SECTION XIII – DISPOSAL CONSIDERATIONS

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

Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection.

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 5 L (1.3 gallons) each for liquids: Cleaning compound, n.o.s., Not Regulated. For inner and other packagings over 5 L (1.3 gallons) each for liquids: Phosphoric acid solution.

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1805

PACKING GROUP: III

AIR SHIPMENT

PROPER SHIPPING NAME: Phosphoric acid, solution.

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1805

PACKING GROUP: III

SHIPPING BY WATER:

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VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Phosphoric acid, solution.

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1805

PACKING GROUP: III

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Phosphoric acid (7664-38-2)
Reportable Quantity = 5,000 pounds.

SARA 311/312 HAZARD CATEGORIES: Skin corrosion or irritation. Serious eye damage or eye irritation.

SARA 313 REPORTABLE INGREDIENTS: This product does not contain any chemicals which are subject to the reporting requirements at Title 40 of the Code of Federal Regulations, Part 372.

CLEAN WATER ACT: Phosphoric acid (7664-38-2) is a hazardous substance.

STATE REGULATIONS: California Proposition 65: This product does not contain chemicals regulated by California Proposition 65.
Phosphoric acid (7664-38-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA, RI.

INTERNATIONAL REGULATIONS: No information available.

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

NFPA HEALTH: 3

HMIS HEALTH: 3

NFPA FLAMMABILITY: 0

HMIS FLAMMABILITY: 0

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Ginger Serafin

DATE PREPARED: 11/22/2013

REVISION DATE: 02/21/2023

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

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