

KW SOLUTIONS 2265 POLYVIEW TURLOCK, CA 95382

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

**Product Identifier:** CITRIC ACID FOOD GRADE  
**Chemical Family:** Food Grade

**Product Code:** 240

**KW SOLUTIONS**  
 2265 POLYVIEW  
 TURLOCK, CA 95382  
 (209)556-9600

**24 Hr. Emergency Tel.#:** 800-424-9300

### SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Statements:**

May cause eye irritation  
 May cause skin irritation  
 May be harmful if inhaled  
 May be harmful if swallowed

**Precautionary Statements:**

Wear gloves and eye protection.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
**IF ON SKIN:** Wash with soap and water.  
**IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration
CITRIC ACID	77-92-9	40-50

### SECTION 4 - FIRST-AID MEASURES

**Inhalation:** Get medical advice/attention if you feel unwell or are concerned.  
**Skin Contact:** Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.  
**Eye Contact:** Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. If eye irritation persists: Get medical advice/attention.  
**Ingestion:** Rinse mouth. If you feel unwell, or if concerned: Get medical advice/attention.  
**Most Important Symptoms and Effects, both Acute and Delayed:** Contact with eye can cause irritation. Contact with skin can cause irritation.  
**Indication of any Immediate Medical Attention and Special Treatment Needed:** Treat symptomatically

### SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use water spray, powder, foam, carbon dioxide.  
**Special hazards arising from the substance or mixture:** No special hazards known  
**Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012):** Non flammable  
**Hazardous Combustion Products:** Non combustible  
**Special protective equipment and precautions for firefighters:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Wear appropriate personal protective equipment as specified in Section 8. Keep unnecessary and unprotected personnel from entering.  
**Methods and materials for containment and cleaning up:** SMALL SPILLS (less than 1 gallon): May be flushed to an approved sewer line (with large amounts of water). Larger spills should be absorbed and collected for disposal. Ensure adequate decontamination of tools and equipment following clean up.

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### SECTION 7 - HANDLING AND STORAGE

**Precautions for Safe Handling:** Wear gloves and eye protection when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

**Conditions for Safe Storage:** Keep product in tightly closed container when not in use. Do not drop, roll or skid drum.

**Incompatible Materials:** Alkalis, oxidizing agents, metals, bases and organic materials.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation and engineering measures:** Forced air, local exhaust, or open air is adequate.

**Respiratory Protection:** Not a respiratory irritant unless dealing with a mist form, then wear appropriate NIOSH respirator.

**Skin Protection:** Wear gloves when handling.

**Eye/Face Protection:** Wear safety glasses, goggles and/or face shield to prevent eye contact.

**Other Protective Equipment:** Eye wash facility and emergency shower should be in close proximity.

**General Hygiene Conditions:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colorless clear liquid

**Odor:** Odorless

**pH:** 2.5-3.5

**Melting/Freezing point:** No information available.

**Initial boiling point and boiling range:** No information available.

**Flammability (solid, gas):** Non flammable.

**Relative density:** 1.2 g/mL

**Solubility in Water:** Complete

**Decomposition temperature:**

**Viscosity:** 15-30 cSt at 20°C / 68°F

### SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** Non reactive

**Chemical Stability:** Stable under normal conditions

**Possibility of Hazardous Reactions:** None known

**Possibility of Hazardous Reactions:** May react with incompatible materials

**Conditions to Avoid:** Incompatible materials

**Hazardous Decomposition Products:** Carbon oxides.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**

Routes of entry - inhalation: YES

Routes of entry - skin & eye: YES

Routes of entry - ingestion: YES

Routes of entry - skin absorption: NO

**Potential Health Effects:**

**Signs and symptoms of short term (acute) exposure:**

**Inhalation:** May cause irritation to respiratory system.

**Ingestion:** May cause irritation to digestive system

**Skin:** May cause skin irritation including redness, edema, swelling, rash, scaling or blistering, drying and/or cracking of skin.

**Eye:** May cause redness, stinging, tearing, swelling, itching and/or irritation of the eye. Possible eye damage if left untreated.

**Potential Chronic Health Effects:**

**Mutagenicity:** Not known to have mutagenic effects in humans or animals.

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**Carcinogenicity:** Not expected to be a carcinogen or tumorigenic.

**Reproductive effects:** No known reproductive effects in humans or animals.

**Sensitization to material:** Not a known sensitizer in humans or animals.

**Specific target organ effects:** No known specific target organ effects.

### Toxicological data:

ATE oral = >5000 mg/kg

ATE dermal = No information available.

ATE inhalation = No information available.

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Not expected to be toxic to the environment.

**Persistence and degradability:** Not expected to persist. Readily biodegradable.

**Bioaccumulation potential:** Not expected to bioaccumulate.

**Mobility in soil:** Soluble in water and mobile in soil.

**Other Adverse Environmental effects:**

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Handling for disposal:** Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

**Method of disposal:** Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**RCRA:** Not a listed RCRA hazardous waste.

## SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

**US 49 CFR/DOT/IATA/IMDG Information:** Non hazardous material

**Environmental hazards:** Not a Marine Pollutant

## SECTION 15 - REGULATORY INFORMATION

### US Federal Information:

**TSCA information:** All components are listed on the TSCA inventory.

**US CERCLA Reportable quantity (RQ):** Non regulated material.

**SARA Title III:** No chemicals in this product are subject to SARA Title III reporting.

**US State Right to Know Laws:** Non hazardous

**International Information:** Non hazardous

## SECTION 16 - OTHER INFORMATION

### Legend:

**SARA:** The Superfund Amendments and Reauthorization Act

**RCRA:** Resource Conservation and Recovery Act

**TSCA:** Toxic Substances Control Act

**CFR:** Code of Federal Regulations

**DOT:** Department of Transportation

**ATE:** Acute Toxicity Estimate

**Preparation date:** 11/7/2014