



Safety Data Sheet

Issue Date 26-Mar-2012

Revision Date: 31-Jul-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Uni-Quat 14

Other means of identification

SDS # CPC-020

Product Code 2062

Recommended use of the chemical and restrictions on use

Recommended Use Disinfectant. Cleaner.

Details of the supplier of the safety data sheet

Supplier Address

Chempace Corporation
339 Arco Drive
Toledo, OH 43607
www.Chempace.com

Emergency Telephone Number

Company Phone Number Phone: 1-800-423-5350 or 419-283-8873

Fax: 419-661-2280

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Serious eye damage/eye irritation

Category 2

Signal Word

Warning

Hazard Statements

Causes serious eye irritation



Appearance Yellowish / Green liquid

Physical State Liquid

Odor Pleasant

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Get medical attention if irritation occurs

Other Hazards

N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|------------------|---------|-------------|
| Tetrasodium EDTA | 64-02-8 | Proprietary |

The specific chemical identity of this composition is being withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|---------------------|--|
| Eye Contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs. |
| Skin Contact | Flush with water. Take off contaminated clothing. Wash contaminated clothing before reuse. |
| Inhalation | Remove to fresh air. Monitor for respiratory distress. Get medical attention. |
| Ingestion | Do not induce vomiting. Dilute with milk or water. Get medical attention if necessary. |

Most important symptoms and effects

| | |
|-----------------|---|
| Symptoms | Eye contact may cause redness or burning sensation. Prolonged or repeated skin contact may cause irritation. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. May cause irritation to the mucous membranes and upper respiratory tract. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Foam. Carbon dioxide (CO2). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Carbon dioxide (CO2). Carbon monoxide. Nitrogen oxides (NOx). Oxides of sulfur.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required. Spills may be slippery.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Mop up and dispose of spilled material. Place collected waste in DOT approved containers for disposal. Larger quantities: remove mechanically (by pumping).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. For institutional and commercial use only.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|------------------------|-----------|--------------------------------|------------|
| Citric Acid 77-92-9 | - | 15 mg / m ³ (Total) | - |

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Prevent eye contact. Risk of contact: Wear approved safety goggles.

Skin and Body Protection Avoid contact with skin. Rubber gloves or vinyl gloves.

Respiratory Protection High vapor or mist concentrations may require a NIOSH approved organic vapor respirator.

General Hygiene Considerations Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|----------------|
| Physical State | Liquid | Odor | Pleasant |
| Appearance | Yellowish / Green liquid | Odor Threshold | Not determined |
| Color | Yellowish/green | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|--------------------|-------------------------|
| pH | 7.5 (concentrate) | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | 101 °C / 214 °F | |
| Flash Point | None to boiling | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Not determined | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 1.0 | (1=Water) |
| Water Solubility | Completely soluble | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Autoignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

| | |
|---------------------------------|--|
| Hazardous Polymerization | Hazardous polymerization does not occur. |
|---------------------------------|--|

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x). Sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|----------------------------------|
| Eye Contact | Causes serious eye irritation. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Do not taste or swallow. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------|----------------------|----------------------|-----------------|
| Tetrasodium EDTA 64-02-8 | = 10 g/kg (Rat) | - | - |
| Ethoxylated Nonylphenol 9016-45-9 | = 1310 mg/kg (Rat) | = 2 mL/kg (Rabbit) | - |
| Citric Acid 77-92-9 | = 3000 mg/kg (Rat) | - | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|-----------------------------|---|--|----------------------------|--|
| Tetrasodium EDTA 64-02-8 | 1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static | | 610: 24 h <i>Daphnia magna</i> mg/L EC50 |
| Citric Acid 77-92-9 | | 1516: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static | | 120: 72 h <i>Daphnia magna</i> mg/L EC50 |

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

| | |
|-------------------------------|---|
| Disposal of Wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

14. TRANSPORT INFORMATION

| | |
|-------------|---|
| Note | Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. |
| DOT | Not regulated |
| IATA | Not regulated |
| IMDG | Not regulated |

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

SARA 313

Not determined

US State Regulations

U.S. State Right-to-Know Regulations

Not determined

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| NEPA | Health Hazards | Flammability | Instability | Special Hazards |
| | Not determined | Not determined | Not determined | Not determined |
| HMIS | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | 1 | 2 | 0 | Not determined |

| | |
|-----------------------|-------------|
| Issue Date | 26-Mar-2012 |
| Revision Date: | 31-Jul-2013 |
| Revision Note | New format |

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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End of Safety Data Sheet