Chemical Xchange

# Safety Data Sheet - Quat Sanitizer

Chemical Xchange
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## Section 1: Identification

### GHS product identifier

Product name: Third Sink Sanitizer  Product Code: 74

### Recommended uses and uses advised against

Recommended use: Used in dilution in a three sink washing station or as a sanitizer solution.

Uses not recommended: Not to be used for indications for which this product is not labeled.

### Supplier details

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### Emergency telephone number

Infotrac: (800) 535-5053

## Section 2: Hazard identification

### United States (US)

According to OSHA 29 CFR 1910.1200 HCS

### Classification of the substance or mixture

OSHA HCS 2012

Mild Irritant (Skin)

### Label Elements

OSHA HCS 2012

Warning

Hazard Statements

H316 Causes mild skin irritation.

### Precautionary Statements

Prevention

Response

P332 + P313 If skin irritation occurs: Get medical advice/attention.

Storage/Disposal

### Other hazards

OSHA HCS 2012

No data available.

## Other information

NFPA


## Section 3: Composition/Information on Ingredients

### Substances

Material does not meet the criteria of a substance.

### Mixtures

| | | | |
|---|---|---|---|
| Quaternary ammonium compounds | [ ] | CAS No. Not Listed | 7% - 24% |

*See section 11 for toxicological information.*

## Section 4: First-Aid Measures

### Description of first aid measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Skin:

Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

Eye:

Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

Ingestion:

Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

### Most important symptoms and effects, both acute and delayed

Refer to section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed:

All treatments should be based on observed signs and symptoms of distress in the patient.

## Section 5: Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:

Extinguish fires with CO2, extinguishing powder, foam, or water.

Unsuitable extinguishing media:

None

### Special hazards arising from the substance or mixture

Unusual fire and explosion hazards:

Combustible liquid. May generate flammable vapors. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

Hazardous combustion products:

Formation of toxic gases is possible during heating or fire.

Advice for firefighters

In use, may form flammable/explosive vapour-air mixture. During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus. Dike and collect water used to fight fire.

## Section 6: Accidental Release Measures

## Personal precautions, protective equipment and emergency procedures

Personal precautions:

Ensure adequate ventilation. Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Emergency procedures:

As an immediate precautionary measure, isolate spill or leak for at least 50 meters.

Environmental precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

## Methods and material for containment and clean-up

Contain the source of the spill if it is safe to do so. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Collect wash with a noncombustible absorbent material and transfer to labeled container for treatment and disposal. LARGE SPILLS: Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Use water spray to disperse vapors and dilute spill to a nonflammable mixture. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal. Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

# Section 7: Handling and Storage

## Precautions for safe handling

Handling:

Combustible liquid. Keep away from heat, sparks, flame and all other sources of ignition. Ground and bond all bulk transfer equipment. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Prevent environmental releases. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

## Conditions for safe storage, including any incompatibilities

Storage:

Keep containers tightly closed in a cool, well-ventilated place Keep away from heat, sparks, flame, and other sources of ignition. Protect from direct heat and sunlight.

Incompatible materials or ignition sources:

Material data lacking

# Section 8: Exposure Controls/Personal Protection

## Control parameters

| Exposure Limits/Guidelines | | | | |
|---|---|---|---|---|
| **Component** | **Result** | **NIOSH** | **ACGIH** | **Canada Ontario** |
| Quaternary ammonium compounds<br>CAS No. Not Listed | **STELs** | Data lacking | Data lacking | Data lacking |
| | **TWAs** | Data lacking | 0.1 mg/m3 | Data lacking |
| | **STELs** | | | |
| | **TWAs** | | | |

## Exposure controls

Engineering measures and controls:

Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

Incompatible materials or ignition sources:

Pictograms:

Respiratory:

Not required.

Eye and face:

Protective eye and face equipment not required.

Hands:

Must wear chemical protective gloves when handling concentrated product.

Skin and body:

Chemical protective clothing not required but may be employed if desired.

General industrial hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling.

Environmental exposure controls:

Follow best practice for site management and disposal of waste. Avoid release to the environment.

**Key to Abbreviations**
ACGIH= American Conference of Governmental Industrial Hygiene
OSHA =Occupational Safety and Health Administration
MSHA = Mine Safety and Health Administration
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
STEV = Short Term Exposure Value
NIOSH= National Institute of Occupational Safety and Health
STEL = Short Term Exposure Limits are based on 15-minute exposures

## Section 9: Physical and Chemical Properties

### Information on physical and chemical properties

| | | | | |
|---|---|---|---|---|
| **Material Description** | | | | |
| **Physical Form** | Liquid | | **Appearance/Description** | Thin liquid |
| **Color** | Blue/Purple | | **Odor** | Bright fragrance |
| **Taste** | Data lacking | | **Particulate Type** | Not relevant |
| **Particulate Size** | Not relevant | | **Aerosol Type** | Not relevant |
| **Odor Threshold** | Data lacking | | **Physical and Chemical Properties** | Data lacking |
| **General Properties** | | | | |
| **Boiling Point** | > 255 | | **Melting Point** | Data lacking |
| **Decomposition Temperature** | Data lacking | | **Heat of Decomposition** | Data lacking |
| **pH** | 7 | | **Specific Gravity/Relative Density** | Water = 1 |
| **Density** | Data lacking | | **Bulk Density** | Data lacking |
| **Water Solubility** | Soluble in water | | **Solvent Solubility** | Data lacking |
| **Viscosity** | Data lacking | | **Explosive Properties** | Classification criteria not met |
| **Oxidizing Properties:** | Data lacking | | | |
| **Volatility** | | | | |
| **Vapor Pressure** | Data lacking | | **Vapor Density** | Data lacking |
| **Evaporation Rate** | Water = 1 | | **VOC (Wt.)** | Data lacking |
| **VOC (Vol.)** | Data lacking | | **Volatiles (Wt.)** | Data lacking |
| **Volatiles (Vol.)** | Data lacking | | | |
| **Flammability** | | | | |
| **Flash Point** | Data lacking | | **UEL** | Data lacking |
| **LEL** | Data lacking | | **Autoignition** | Data lacking |
| **Self-Accelerating Decomposition Temperature (SADT)** | Data lacking | | **Heat of Combustion (ΔHc)** | Data lacking |
| **Burning Time** | Data lacking | | **Flame Duration** | Data lacking |
| **Flame Height** | Data lacking | | **Flame Extension** | Data lacking |
| **Ignition Distance** | Data lacking | | **Flammability (solid, gas)** | Not applicable |
| **Environmental** | | | | |
| **Half-Life** | Data lacking | | **Octanol/Water Partition coefficient** | Data lacking |
| **Coefficient of water/oil distribution** | Data lacking | | **Bioaccumulation Factor** | Data lacking |
| **Bioconcentration Factor** | Data lacking | | **Biochemical Oxygen Demand BOD/BOD5** | Data lacking |
| **Chemical Oxygen Demand** | Data lacking | | **Persistence** | Data lacking |
| **Degradation** | Data lacking | | | |

## Section 10: Stability and Reactivity

**Reactivity**

No potentially dangerous reactions.

**Chemical stability**

Stable at normal conditions

**Possible hazardous reactions**

Material data lacking.

**Conditions to avoid**

Keep away from heat, spark, flames and all other sources of ignition. Fine particles (such as dusts, mists and vapors) may fuel fires/explosions.

### Incompatible materials

Material data lacking

### Hazardous decomposition products

Material data lacking.

## Section 11: Toxicological Information

### Information on toxicological effects

| Component | CAS No. | Data |
|---|---|---|
| Quaternary ammonium compounds | Not Listed | Rat Oral LD50 426 mg/kg Rat Sub-tenon injection (eye) LD50 100mg/kg Rat Inhalation 0.054-0.51mg/L Skin Irritation: Rabbit: Corrosive Bacterial Mutagenicity (Ames) Salmonella Negative; In Vitro Chromosome Aberration Chinese Hamster Ovary (CHO) cells Positive; In Vivo Micronucleus Mouse Bone Marrow Positive; In Vitro Sister Chromatid Exchange Chinese Hamster Ovary (CHO) cells Negative |
| | | |

### Target organs

No data available.

### Routes of entry and/or exposure

No data available.

### Potential health effects

Inhalation

Acute (immediate):

May be harmful if inhaled. May cause respiratory tract and mucous membrane irritation.

Chronic (delayed):

No data available.

Skin

Acute (immediate):

No data available.

Chronic (delayed):

No data available.

Ingestion

Acute (immediate):

May be harmful if swallowed

Chronic (delayed):

No data available.

Eye

Acute (immediate):

No data available.

Chronic (delayed):

No data available.

## Section 12: Ecological Information

### Toxicity

Material data lacking.

### Persistence and degradability

Material data lacking.

### Bioaccumulative potential

Material data lacking.

### Mobility in soil

Material data lacking.

### Other adverse effects

No studies have been found.

### Other information

No additional information available.

## Section 13: Disposal Considerations

### Waste treatment methods

Product waste

Dispose of waste in accordance with all applicable laws and regulations. Member State

specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

Packaging waste

Dispose of packaging in a ccordance with federal, state and local regulations.

## Section 14: Transport Information

Special precautions for user

Transport containers shall be physically secured to the transporting vehicle to prevent accidental loss, tampering, or unauthorized removal.

Transport in bulk according to annex II of MARPOL 73/78 and the IBC code

## Section 15: Regulatory Information

Safety, health and environmental regulations specific to substance or mixture

SARA hazard classifications:

## Section 16: Other Information

Last revision date:

3/18/2016

Preparation date:

7/17/2018

Disclaimer and statement of liability:

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.