Safety Data Sheet CHEMSEARCH 15000LTT

Supercedes Date 12/29/2014

Issuing Date 12/16/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CHEMSEARCH 15000LTT Recommended use Water treatment chemical Information on Manufacturer CHEMSEARCH DIV. OF NCH CORP.

BOX152170 **IRVING, TX 75015**

Product Code 12055111 Chemical nature Aqueous solution **Emergency Telephone Number** CHEMTREC[®] 800-424-9300 Telephone inquiry 972-579-2477

2. HAZARD IDENTIFICATION Physical state Liquid

Color Dark Amber

GHS

Classification Physical Hazards Corrosive to Metals

Category 1

Health Hazard Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation

Other hazards None

Labeling Signal Word DANGER



Hazard statements H314 - Causes severe skin burns and eye damage H290 - May be corrosive to metals

Category 1 Category 1

Precautionary Statements

P280 - Wear protective gloves, protective clothing, eye protection and face protection. P264 - Wash face, hands and any exposed skin thoroughly after handling.

P260 - Do not breathe mist

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P332 + P313 - If skin irritation occurs, get medical attention.

P363 - Wash contaminated clothing before reuse.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a physician.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P342 + P311 - If experiencing respiratory symptoms, call a physician.

P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

P390 - Absorb spillage to prevent damage.

P406 - Store in a corrosion-resistant container.

P501 - Dispose of contents and container in accordance with applicable local regulations.

4 % of the mixture consists of ingredient(s) of unknown toxicity

| 3. COMPOSITION / IN | FORMATION ON INGREDIENTS | |
|----------------------|--------------------------|----------|
| Component | CAS No. | Weight % |
| | 64665-57-2 | 3-7 |
| Sodium tolyltriazole | 04003-31-2 | |

Odor Sweet

| | Sodium hydroxide | 5 | 1 1310-73-2 | | 1-5 |
|---|---|--|--|--|---|
| *. | The exact percer | ntage (concentration) of cor | mposition has been withhe | ld as a trade secret | |
| 17月1日日日日1月1日日 | | 4. FIRST All | MEASURES | | |
| General advice Eye Contact | lr fi | Do not get in eyes, on skin or on clothing. Do not breathe mist. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately. | | | |
| Skin Contact | 1 | Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial | | | |
| nhalation | TE | espiration Get medical atte | ntion immediately. | | |
| ngestion lotes to physician | D | orink 1 or 2 glasses of water he product causes burns o hock therapy if needed. | Do NOT induce vomiting | Get medical attent nembranes. Control | on immediately. of circulatory system, |
| | | 5. FIRE-FIGHT | ING MEASURES | | |
| lash Point Does not flash | | Method No da | ata available | | · · · · |
| lammability Limits in Air % netais. | : Hydrogen, by re | eaction with Upper: 75 | | Lower: 4 | |
| Suitable Extinguishing Med Carbon dioxide (CO2). Foar urrounding environment Specific hazards arising fro Contact with metals may evo | n. Dry chemical. om the chemical blve flammable hy Precautions for F | ydrogen gas. Material can c Firefighters | reate slippery conditions. | | |
| | tained breathing | apparatus pressure -demai Flammability 0 | nd, NOHSC (approved or e Instability 0 | equivalent) and full p | fotective gear. |
| FPA Health 3 MIS Health 3 | | Flammability 0 | Instability 0 | | |
| | | 6. ACCIDENTAL RE | ELEASE MEASURES | | |
| ersonal Precautions | U | lse personal protective equi | ipment. Ensure adequate | ventilation. Prevent | further leakage or spillage |
| nvironmental Precautions | n n | if safe to do so. Material can create slippery conditions. Do not flush into surface water or sanitary sewer system. | | | |
| lethods for Containment | С | Contain spillage, soak up with non -combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national | | | |
| | ге | equiations (see section 13). | | | 0 |
| ethods for Cleaning Up | P | ick up and transfer to prope cetic acid, diluted. | erly labeled containers. | | |
| | | | | | |
| | - | | | | |
| ethods for Cleaning Up eutralizing Agent | | COLUMN TO A DESCRIPTION OF A DESCRIPTION | AND STORAGE | | |
| eutralizing Agent | 9 | o not get in eyes, on skin o | r on clothing. Do not breat letal containers must be lir | ned. Keep container | s tightly closed in a dry, ill affect the physical |
| eutralizing Agent andling | S | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac | r on clothing. Do not breat letal containers must be lin let. Keep away from direct | ied. Keep container sunlight. Freezing w nix before using. | ill affect the physical |
| eutralizing Agent andling torage torage Temperature | S cc CC M | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F / 4 °C | r on clothing. Do not brea letal containers must be lir e. Keep away from direct e the material. Thaw and r Ma | ned. Keep container sunlight. Freezing w nix before using. xlmum 115 °F | ill affect the physical / 46 °C |
| eutralizing Agent andling torage | S cc CC M | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F /4 °C | r on clothing. Do not breat letal containers must be lir e. Keep away from direct e the material. Thaw and r Ma: | ned. Keep container sunlight. Freezing w nix before using. xlmum 115 °F | ill affect the physical |
| eutralizing Agent andling torage | S cc M In | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F / 4 °C | r on clothing. Do not brea letal containers must be lir e. Keep away from direct e the material. Thaw and r Ma: Itdoor Ho | ned. Keep container sunlight. Freezing w nix before using. xlmum 115 °F sated Refi | ill affect the physical / 46 °C |
| eutralizing Agent andling torage torage Temperature torage Conditions | S cc M In B. EX | to not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F / 4 °C ndoor X Ou POSURE CONTROLS | r on clothing. Do not breat letal containers must be lir le. Keep away from direct e the material. Thaw and r Ma Itdoor Ho / PERSONAL PROTE | ed. Keep container sunlight. Freezing w nix before using. xlmum 115 °F eated Refi | ill affect the physical / 46 °C rigerated |
| eutralizing Agent andling torage torage Temperature torage Conditions | S cc M In 8- EX | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F / 4 °C ndoor X Ou POSURE CONTROLS | r on clothing. Do not breat letal containers must be lin e. Keep away from direct e the material. Thaw and r Ma itdoor Ho / PERSONAL PROTE | ed. Keep container sunlight. Freezing w nix before using. xlmum 115 °F eated Refi | Ill affect the physical / 46 °C figerated NIOSH |
| eutralizing Agent andling torage torage Temperature torage Conditions | S cc M In B-EX de | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F / 4 °C ndoor X Ou POSURE CONTROLS | r on clothing. Do not breat letal containers must be lin e. Keep away from direct a e the material. Thaw and r Ma itdoor Ho / PERSONAL PROTE OSHA P TWA: 2 mg | ed. Keep container sunlight. Freezing w nix before using. xlmum 115 °F eated Refiner CTION | Ill affect the physical / 46 °C -igerated NIOSH 10 mg/m ³ Ceiling: 2 mg/m ³ |
| eutralizing Agent andling torage torage Temperature torage Conditions | S cc M In B. EX t de | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F / 4 °C ndoor X Ou POSURE CONTROLS | r on clothing. Do not breat letal containers must be lin let. Keep away from direct to the material. Thaw and r Ma itdoor Ho / PERSONAL PROTE OSHA P TWA: 2 mg especially in confined ar | ed. Keep container sunlight. Freezing w nix before using. klmum 115 °F eated Refiner CTION | Il affect the physical / 46 °C igerated NIOSH 10 mg/m ³ Ceiling: 2 mg/m ³ ably practicable this shoul |
| eutralizing Agent andling torage torage Temperature torage Conditions xposure Guidelines Component Sodium hydroxic angineering Measures ersonal Protective Equipm | S cc M In B. EX de Et be nent | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F /4 °C ndoor X Ou POSURE CONTROLS ACGIH TLV Ceiling: 2 mg/m ³ nsure adequate ventilation, e achieved by the use of loc | r on clothing. Do not breat letal containers must be lin e. Keep away from direct is the material. Thaw and r Mai itdoor He / PERSONAL PROTE OSHA P TWA: 2 mg especially in confined ard ral exhaust ventilation and | ed. Keep container sunlight. Freezing w nix before using. klmum 115 °F eated Refiner CTION | Il affect the physical / 46 °C igerated NIOSH 10 mg/m ³ Ceiling: 2 mg/m ³ ably practicable this shoul |
| eutralizing Agent andling torage torage Temperature torage Conditions conage Conditions component Sodium hydroxic agineering Measures ersonal Protective Equipm Eye/Face Protection | S ca M In In B. EX | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F /4 °C adoor X Ou POSURE CONTROLS ACGIH TLV Ceiling: 2 mg/m ³ nsure adequate ventilation, e achieved by the use of loc ightly fitting safety goggles. | r on clothing. Do not breat letal containers must be lin e. Keep away from direct e the material. Thaw and r Ma: Itdoor He / PERSONAL PROTE OSHAP TWA: 2 mg especially in confined are cal exhaust ventilation and Face-shield. | ed. Keep container sunlight. Freezing w nix before using. klmum 115 °F eated Refine CTION EL g/m ³ eas. Where reasons good general extraction | Il affect the physical / 46 °C rigerated NIOSH 10 mg/m ³ Ceiling: 2 mg/m ³ ably practicable this shoul ction. |
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| eutralizing Agent andling torage torage Temperature torage Conditions xposure Guidelines Component Sodium hydroxid ngineering Measures ersonal Protective Equipm Eye/Face Protection Skin Protection | S cc M In B. EX de de tent Ti W In cc fions | o not get in eyes, on skin o tore in original container. M ool and well-ventilated plac ondition but will not damage linimum 40 °F /4 °C adoor X Ou POSURE CONTROLS ACGIH TLV Ceiling: 2 mg/m ³ nsure adequate ventilation, e achieved by the use of loc ightly fitting safety goggles. | r on clothing. Do not breat letal containers must be lin e. Keep away from direct e the material. Thaw and r Ma: itdoor He / PERSONAL PROTE / PERSONAL PROTE / PERSONAL PROTE / PERSONAL PROTE / DSHAP TWA: 2 mg . especially in confined are al exhaust ventilation and Face-shield. hing, Impervious gloves. tion wear respiratory prote posure limit they must use ing. Ensure that eyewash | ed. Keep container sunlight. Freezing w nix before using. klmum 115 °F eated Refiner CTION EL g/m ³ eas. Where reasons good general extract action. When worker extions and safety | Il affect the physical / 46 °C igerated NIOSH 10 mg/m ³ Ceiling: 2 mg/m ³ ably practicable this should ction. It is are facing ad respirators. showers are close to the |

9. PHYSICAL AND CHEMICAL PROPERTIES

| Physical state Color Odor Threshold pH Evaporation Rate VOC Content (%) Vapor Pressure Solubility Melting Point/Range Bolling Point/Range Flash Point Autoignition Temperature Flammability Limits in Air %: | Liquid Dark Amber Not applicable > 13.4 0.5 (BuAc = 1) 0 14.8 mmHg @ 70°F Completely soluble No data available > 212 °F /100 °C Does not flash No information available. Hydrogen, by reaction with metals | Viscosity Odor Appearance Specific Gravity Percent Volatile (Volume) VOC Content (g/L) Vapor Density n-Octanol/Water Partition Decomposition Temperature Flammability (solid, gas) Method Upper: 75 Lower: 4 | Non viscous Sweet Transparent 1.154 86.4 0 0.6 (Air = 1.0) No data available No data available No data available No data available |
|--|--|---|--|
| Chemical Stability Conditions to Avoid Incompatible Products | 10. STABILITY | AND REACTIVITY Stable. Hazardous polymerization Extremes of temperature and dire Strong oxidizing agents, Acids, Li metals, Halogenated hydrocarbo | ect sunlight. ight and/or alkaline |

Decomposition Temperature Hazardous Decomposition Products Strong oxidizing agents, Acids, Light and/or aikaline metals, Halogenated hydrocarbon, Reducing agents, Aldehydes. No data available Carbon oxides, Nitrogen oxides (NOx), Hydrocarbons, Hydrogen cyanide, Phosphorus compounds, Contact with metals liberates hydrogen gas. None under normal processing.

Possibility of Hazardous Reactions

11. TOXICOLOGICAL INFORMATION

Product Information

No information available.

| Product Information | | |
|--|---|-------|
| The following values are calculated ba | ased on chapter 3.1 of the GHS document | |
| Oral LD50 | No information available | |
| - Dermal LD50 | No information available | |
| Inhalation LC50 | and was as consistent to the track of the second | |
| Gas | No information available | |
| Mist | No information available | |
| Vapor | No information available | |
| Principle Route of Exposure | Skin contact, Eye contact, Inhalation. | |
| Primary Routes of Entry | None known. | |
| Acute Effects: | | |
| | Corrosive to the eyes and may cause severe damage including blindness. | |
| Eyes | Causes skin burns. | |
| Skin | Harmful by inhalation. Causes burns. | · · · |
| Inhalation | If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the | ie 👘 |
| Ingestion | esophagus and the stomach. | |
| | Inhaled corrosive substances can lead to a toxic edema of the lungs. | |
| Chronic Toxicity | | |
| Target Organ Effects | Skin, Eyes, Respiratory system. | 22 |
| Aggravated Medical Conditions | Respiratory disorders, Skin disorders. | |
| Component Information | | |
| Acute Toxicity | | |

xicity Other Draize Test Inhalation LC50 Dermal LD50 Oral LD50 Component No data available No data available No data available no data available 640 mg/kg Sodium tolyltriazole 64665-57-2 No data available No data available = 1350 mg/kg (Rabbit) No data available No data available Sodium hydroxide 1310-73-2

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|-------------------------------|-------------------|-------------------|---------------------------|--------------------------|--------------------------------|
| Sodium hydroxide 1310-73-2 | No data available | No data available | No data available | No data available | Skin; Eyes; Respiratory system |

Carcinogenicity

There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information

No information available.

| Component | Toxicity to Algae | Toxiclty to Fish | Microtox | Crustacea | Partition |
|---|--|---|--------------------------|---------------------------|------------------------------------|
| Sodium hydroxide | No information available. | LC50 = 45.4 mg/L Oncorpynchus mykiss 96 h | No information available | No information available. | N/A |
| Persistence and Degradability Bioaccumulation Nobility | No informat | ion available. ion available. ion available. | 2 | | |
| | 13. | DISPOSAL CONSIDERATI | ONS | | energy (d. 1997) Strengt of the |
| Product Disposal Container Disposal | Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery, or waste disposal. | | | | |
| | 14 | TRANSPORT INFORMAT | ION | | |
| OOT Proper Shipping Name Hazard Class UN-No Packing Group Description | 8 UN1719 II | LKALI LIQUIDS, N.O.S., (SODIUM NUSTIC ALKALI LIQUIDS, N.O.S., | | | XIDE), 8, |
| DG Proper shipping name Hazard Class UN-No Packing Group Description | 8 UN1719 II | "KALI LIQUIDS, N.O.S., (SODIUM NUSTIC ALKALI LIQUIDS, N.O.S., | | | XIDE), 8, |
| CAO UN-No Proper Shipping Name Hazard Class Packing Group Shipping Description | 8 II | LKALI LIQUIDS, N.O.S., (SODIUM .USTIC ALKALI LIQUIDS, N.O.S., | | | XIDE), 8, |
| ATA UN-No Proper Shipping Name Hazard Class Packing Group Shipping Description | 8 II | .KALI LIQUIDS, N.O.S., (SODIUM .USTIC ALKALI LIQUIDS, N.O.S., | | | XIDE), 8, |
| MDG <i>I</i> IMO Proper Shipping Name Hazard Class UN-No Packing Group Description | 8 UN1719 II | .KALI LIQUIDS, N.O.S., (SODIUM USTIC ALKALI LIQUIDS, N.O.S., 1 | | | XIDE), 8, |

15. REGULATORY INFORMATION

Inventories

TSCA DSL **U.S. Federal Regulations** Complies Complies

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. SARA 311/312 Hazardous Categorization

| Acute Health Hazard | Chronic Health Hazard | Fire Hazard | Sudden Release of Pressure Hazard | Reactive Hazard | |
|---------------------|-----------------------|------------------|--------------------------------------|-----------------|--|
| Yes | No | No | No | No | |
| CERCLA | A | | | | |
| Com | ponent | Hazardous Substa | nces RQs | CERCLA EHS RQs | |
| Sodium hydroxide | | 1000 lb | | Not applicable | |

| 16. OTHER INFORMATION | | | | | |
|-----------------------|---------------------------|---------|--|--|--|
| Prepared By | Laura Strauss | 82 2 | | | |
| Supercedes Date | 12/29/2014 | | | | |
| Issuing Date | 12/16/2016 | | | | |
| Reason for Revision | No information available. | | | | |
| Glossary | No information available. | | | | |
| List of References. | No information available. | | | | |

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