

THE STARCO GROUP



SAFETY DATA SHEET

SDS PREP DATE: 5/13/2015

SDS REVISION DATE: 5/13/2015

Product ID: 51100QT

3137 E. 26th Street
 Vernon, CA 90058
 (323) 266-7111

24-Hour Emergency Telephone: (800) 255-3924

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

Section 1: Product Identification

Product ID: 51100QT

Product Name: Kleen Out Drain Opener, 12x1 Quarts

Intended Use: Drain Opener

Section 2: Hazard(s) Identification

Physical Hazard Classification: Corrosive to Metals

WARNING



Physical Hazard Precautionary Statements:

- May be corrosive to metals.
- Keep only in original container.
- Absorb spillage to prevent material damage.
- Store in corrosive resistant container with a resistant inner liner.

Health Hazard Classification(s):

- | | |
|---|---------|
| Acute Toxicity - Oral - Level 3 | Danger |
| Acute Toxicity - Dermal - Level 4 | Warning |
| Acute Toxicity - Inhalation - Level 5 | Warning |
| Skin Corrosion/Irritation -Level 1A -1C | Danger |
| Eye Damage/Irritation -Level 1 | Danger |
| Aspiration Hazard - Level 2 | Warning |



Health Hazard Statements:

- May be corrosive to metals.
- Keep only in original container.
- Absorb spillage to prevent material damage.
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Section 3: Product Composition

	CAS#	% Range	PEL	TLV
SULFURIC ACID	7664-93-9	93% 100%	TWA=1 MG/M3	NOT ESTABLISHED

Specific chemical identity and exact percentages are withheld as Trade Secret.

Section 4: First-Aid Measures

- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash hands and exposed areas thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- IF ON SKIN: Wash with plenty of water.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER/doctor/physician.
- Call a POISON CENTER/doctor/physician if you feel unwell.
- See section 12 if specific treatment is applicable.
- See Section 12 if specific treatment is applicable.
- Rinse mouth.
- Do NOT induce vomiting.
- Wash contaminated clothing before reuse.
- Store locked up.
- Dispose of contents/container in accordance with local regulations.
- THRESHOLD LIMIT VALUE:** See Section III: See Section III Components
- EFFECTS OF OVER EXPOSURE:** Irritation to skin and eyes.
- EFFECTS OF ACUTE OVEREXPOSURE:**
- EYES:** Causes severe damage and even blindness very rapidly.
- EMERGENCY FIRST AID PROCEDURES:**
- SKIN:** Causes burns, possible ulceration.
- SKIN:** Wash with soap and water. Severe dust can cause damage to nasal and respiratory passages.
- EYE:** Flush with water for at least 15 minutes.
- SWALLOWING:** Results in severe damage to mucous membranes and deep tissues, can result in death on penetration to vital areas.
- INHALATION:** Remove to fresh air. See a physician if irritation persists.
- ORAL:** Call a physician. Do not induce vomiting.



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ADDITIONAL: Contact with eyes will be painful and irritating. Prolonged or repeated contact with skin may cause irritation. Mist caused by manufacturing operations may irritate the nasal passages.

IF ON SKIN: Immediately flush exposed area with water for at least 15 minutes, get medical attention. Remove contaminated clothing. Launder contaminated clothing before re-use.

IF ON EYES: Immediately flush with large amounts of water for 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention. If physician is not immediately available, continue flushing with water.

IF SWALLOWED: DO NOT INDUCE VOMITING. Vomiting will cause further damage to throat. Dilute by giving water. Give milk of magnesia. Keep warm, quiet. get medical attention immediately.

IF BREATHED: If affected, remove individual to fresh air. If breathing difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin contact.

Section 5: Fire-Fighting Measures

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands and exposed areas thoroughly after handling.

Do no eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Immediately call a POISON CENTER/doctor/physician.

Call a POISON CENTER/doctor/physician if you feel unwell.

See section 12 if specific treatment is applicable.

See Section 12 if specific treatment is applicable.

FLAME EXPOSURE HAZARD: Keep containers cool. Use equipment or shielding required to protect personnel against bursting, rupturing, venting containers.

EXPLOSIVE LIMIT: Not applicable

FIRE FIGHTING EQUIPMENT: At elevated temperatures (above 120 F) containers may vent, rupture, or burst.

EXTINGUISHING MEDIA: Water, carbon dioxide or dry chemical

EXTINGUISHING MEDIA: Foam Dry Chemical, Carbon Dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic material: hydrogen chloride, acid vapors, etc.



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FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode and full body protection when fighting fires.

SPECIAL FIRE & EXPLOSION HAZARDS: Acids reacts with most metals to release hydrogen gas which can form explosive mixtures with air.

Section 6: Accidental Release Measures

STEPS PROCEDURES IN CASE OF MATERIALS RELEASE OR SPILL:

SMALL SPILL: Cover the contaminate surface with sodium bicarbonate or a soda ash/slaked lime mixture (50-50). Mix and add water if necessary to form a waste disposal. Disposal should be with soda ash solidified. Federal, State and local laws.

LARGE SPILLS: Persons not wearing protective equipment should be excluded from area of spill until clean-up is completed. Stop spill at source. Dike to prevent spreading.

WASTE DISPOSAL METHOD:

SMALL SPILL: Flush down drain with large amounts of water in accordance with applicable regulations.

LARGE SPILLS: Collect and add slowly to large volume of agitated solution of soda ash and slaked lime. Add neutralized solution to excess running water in accordance with applicable regulations.

Section 7: Handling and Storage

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands and exposed areas thoroughly after handling.

Do no eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Immediately call a POISON CENTER/doctor/physician.

Call a POISON CENTER/doctor/physician if you feel unwell.

See section 12 if specific treatment is applicable.

See Section 12 if specific treatment is applicable.

RESPIRATION PROTECTION: Use only plate ventilation limit(s) of product or any component is exceeded (see section II), a NIOSH/MSHA approved supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type)

GLOVES PROTECTION: Regrooming or tailing should be implemented to reduce exposure.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(S).

RESPIRATORY PROTECTION: When applicable, use a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use.

EYE PROTECTION: Chemical splash goggles and face shield (8" min) in compliance with osha regulations are advised; however OSHA regulations also permit safety glasses.

OTHER PROTECTIVE EQUIPMENT: To prevent skin contact, wear impervious clothing and boots.

OTHER PROTECTION: None



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Section 8: Exposure Control / Personal Protection

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Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Immediately call a POISON CENTER/doctor/physician.

Call a POISON CENTER/doctor/physician if you feel unwell.

See section 12 if specific treatment is applicable.

See Section 12 if specific treatment is applicable.

RESPIRATORY PROTECTION: Use adequate ventilation. If a workplace exposure limit(s) of product or any component is exceeded (see section II), a NIOSH/MSHA approved supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type)

GLOVES PROTECTION: Engineering controls and administrative controls should be implemented to reduce exposure.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(S).

RESPIRATORY PROTECTION: A NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use.

EYE PROTECTION: Chemical splash goggles and face shield (8" min) in compliance with osha regulations are advised; however OSHA regulations also

PERSONAL PROTECTION: safety glasses.

OTHER PROTECTIVE EQUIPMENT: To prevent skin contact, wear impervious clothing and boots.

OTHER PROTECTION: None

Section 9: Product Properties

Flash Point (CCP): N/A

Boiling Point for Product: APPROX 529 DEG F

Vapor Pressure for Product: N/A mmhg @ 100 DEG F

Vapor Density for Product: N/A

Specific Gravity: 1.8

V.O.C.: N/A

Water Solubility: SOLUBLE

Appearance: CLEAR TO OPAQUE LIQUID



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Section 10: Stability and Reactivity

HAZARDOUS POLYMERIZATION: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide, Hydrogen Sulfide, Nitrous Oxides and Ammoniacal Vapors.

COMPAZIBILITY: Will not react with: Strong alkalis, alkali metals.

Section 11: Toxicological Information

SULFURIC ACID 7664-93-9

Highly corrosive to tissue.

Due to corrosive properties of sulfuric acid, item poses an aspiration hazard and may cause damage to lungs and breathing tract if vapors are inhaled when vomitted.

Section 12: Ecological Information

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*". Additional ecological information is Not Determined.

Section 13: Disposal Information

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands and exposed areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

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Immediately call a POISON CENTER/doctor/physician.

Call a POISON CENTER/doctor/physician if you feel unwell.

See section 12 if specific treatment is applicable.

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WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which



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are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

Section 14: Transportation Information

DOT Proper Shipping Name: UN1830

Sulfuric Acid

8, PG II, LIMITED QUANTITY

Section 15: Regulatory Information

	CAS#	PEL	TLV
SULFURIC ACID	7664-93-9	TWA=1 MG/M3	NOT ESTABLISHED

Section 16: Other Information

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified above with an "*"

Consumer Product Safety Act Certificaton.

This product was evaluated by Four Star Chemical and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act, and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location identified on the SDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above mentioned regulation.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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