

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: **TQL-664**
General Use: Lime and scale remover
Product Code: 0664
Generic Name: Mixture-Not applicable

MANUFACTURER:
KB HPS INC
1450 W 135th ST
Gardena, CA 90249

24 HOUR EMERGENCY TELEPHONE NUMBER
Chem-Tel 800-255-3924
COMPANY PHONE NUMBER
Voice: 310-965-9063 **E mail kb@kbhps.com**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	C.A.S. Number
Sulfamic Acid	5329-14-6

Percentage and other ingredient are being withheld as trade secret information. This information will be disclosed as necessary to authorized individuals

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Immediate Concerns:

DANGER

Causes eye irritation or damage.
Causes skin irritation or burns.



POTENTIAL HEALTH EFFECTS

EYES:

Irritating. May injure eye tissue if not removed promptly.

SKIN:

Irritating or burns. Wash hands thoroughly after handling.

INGESTION:

Minimal Toxicity.
Irritating to mouth, throat and stomach. May cause gastric tract disorder.

INHALATION:

Mists are irritating to eyes and respiratory tract in high concentrations.

4.**FIRST AID MEASURES****EYES:**

Warning

Causes serious eye irritation. Keep out of reach of children.

Wear eye/face protection. IF IN EYES: Rinse cautiously with water for several minutes.

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

If eye irritation persists: Get medical advice/attention.

If medical advice is needed, have product container or label at hand. Wash hands thoroughly after handling.

SKIN:

Immediately flush with large amounts of water/shower; use soap if available. Remove contaminated clothing, including shoes, after flushing has begun wash contaminated clothing before reusing.

INGESTION:

If swallowed, DO NOT induce vomiting. Dilute with several glasses of water. Get immediate medical attention. Do not give anything by mouth to an unconscious person, call poison center or doctor immediately.

INHALATION:

Using proper respiratory protection, immediately remove affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Get prompt medical attention.

5.**FIRE FIGHTING MEASURES**

FLASHPOINT AND METHOD: Not flammable.

HAZARDOUS COMBUSTION PRODUCTS: Not combustible

Carbon monoxide and carbon dioxide and whatever surrounding fire produces.

FIRE FIGHTING PROCEDURES:

Use water or fire extinguishing media suitable for materials already burning. Spray to cool fire-exposed surfaces and to protect personnel. Isolate "fuel" supply from fire if it can be done with no danger to personnel.

6.**ACCIDENTAL RELEASE MEASURES**

ENVIRONMENTAL PRECAUTIONS:

WATER SPILL:

Consult an expert on disposal of recovered material and ensure conformity with local regulations.

LAND SPILL:

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 7) reporting notify the National Response Center. Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth.

Recover by pumping or with a suitable absorbent.

Consult an expert on disposal of recovered material and ensure conformity with local regulations.

GENERAL PROCEDURES:

Keep container closed when not in use. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials.

Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. This material is not a static accumulator, but use proper grounding procedures.

Do NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do NOT reuse empty containers without commercial cleaning or reconditioning.

Storage Temperature: 120° F maximum.

ELECTROSTATIC ACCUMULATION HAZARD:

No, but use proper grounding procedure.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Keep container closed. Handle open containers with care. Store in a cool, well-ventilated place away from incompatible materials.

Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight or from FREEZING.

This material is not a static accumulator, but use proper grounding procedures.

Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain residual product. Do NOT use empty containers without commercial cleaning or reconditioning.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Ventilation should be provided to control worker exposures and prevent health risk.

PERSONAL PROTECTION:

For open systems where contact is likely, wear long sleeves, chemical resistant gloves, chemical resistant apron and chemical goggles and/or a face mask.

Where overexposure by inhalation (misting conditions) may occur and engineering work practice or other means of exposure reduction are not adequate, approved respirators may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Odor: Aromatic

Appearance: slightly amber clear liquid

pH: 1-2

Vapor Pressure: Not determined

Boiling Point: Not determined

Freezing Point: Not determined

Solubility in water: Infinite

Specific Gravity: 1.23

Viscosity: Not determined

10.**STABILITY AND REACTIVITY**

STABLE: yes.

HAZARDOUS POLYMERIZATION: No.

CONDITIONS TO AVOID

STABILITY:

Not applicable.

POLYMERIZATION:

Not applicable.

NOTES:

Avoid contact with acid materials.

HAZARDOUS DECOMPOSITION:

Oxides of carbon and other unknown organics from surrounding fire.

11.**TOXICOLOGICAL INFORMATION**

ROUTE(S) OF ENTRY:..... Inhalation, skin absorption, or ingestion.

LISTED CARCINOGEN: None over 0.1%.

MEDICAL CONDITION AGGRAVATED:.....None known.

INHALATION:..... Not likely to be inhaled in hazardous amounts. Avoid exposure to mists or vapors. Maintain adequate ventilation in the work area.

INGESTION:..... This material can cause burns and serious damage to throat, esophagus and stomach.

EYES:..... Can cause serious burns and/or blindness.

SKIN (DERMAL): This product may cause burns or irritation if not removed from the skin.

ACUTE TOXICITY* (ORAL):.....>5000 mg/kg

ACUTE TOXICITY* (DERMAL):...>5000 mg/kg

ACUTE TOXICITY* (INHALATION):.....>20,000 ppm V (Gas), >20 mg/l (Vapor), >5 mg/l (Dust)

12.**ECOLOGICAL INFORMATION**

Not known.

13.

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local authorities.

14.

TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

Proper Shipping Name: Cleaning Compound, NOI

North America emergency response guidebook number: None

INTERNATIONAL (I.M.O.) UN Identification Number.

Proper Shipping Name: Not regulated.

AIR (I.C.A.O.)

Proper Shipping Name: Not regulated.

Environmental Hazards: (RQ Quantity) None

Marine pollutant: The components of this product are not designated by Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

15.

REGULATORY INFORMATION

UNITED STATES:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No

311/312 Hazard Categories: Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Authorization Act (SARA) this product is classified into the hazards listed above.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION AND LIABILITY ACT)

CERCLA Regulatory: If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling 800-424-8802.

EPA: EPA RQ Ingredient: According to EPA this product contains safer ingredient.

TSCA (TOXIC SUBSTANCES CONTROL ACT)

TSCA Status: Components of this product are listed on the TSCA Inventory.

California Prop. 65: No listed substance.

16.**OTHER INFORMATION**

APPROVAL DATE: 1/29/2016

REVISION SUMMARY: NEW MSDS 3/23/2020

NFPA CODES

Fire: 0 Health: 2 Reactivity: 0

HMIS CODES

Fire: 0 Health: 2 Reactivity: 0

HEALTH	2
FLAMMABILITY	0
PHYSICAL	0
PPE	D

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