



SAFETY DATA SHEET

Print date:

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Revision Number: 1

1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: KEMIKO® GARDEN GOLD ACID STAIN
Product code: 37G-3

Other means of identification

Synonyms No information available.

Application

Recommended Use Acid Stain
Uses advised against For industrial use only

Supplier/Manufacturer:

Supplier:
EPMAR Corporation
13240 E. Barton Circle
Whittier, CA 90605-3254
Phone: 562-946-8781
FAX: 562-944-9958
E-mail: she@quakerchem.com
(For Health and Safety Questions)

Emergency telephone number:

* 24 HOUR TRANSPORTATION:
**CHEMTREC: 1-800-424-9300
+703-527-3887 (Call collect outside of US)
* 24 HOUR EMERGENCY HEALTH & SAFETY:
**(800) 523-7010 (Within US only) Outside of US call (703)
527-3887

2. HAZARDS IDENTIFICATION

Classification


OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|-------------------------------------|------------|
| Acute Toxicity - Oral | Category 4 |
| Acute toxicity - Inhalation (Gases) | Category 4 |
| Skin corrosion/irritation | Category 1 |
| Serious eye damage/eye irritation | Category 1 |
| Chronic aquatic toxicity | Category 3 |
| Corrosive to metals | Category 1 |

Label Elements

Emergency Overview

| | | |
|---|-------------|------------------------------|
| DANGER | | |
| Hazard Statements | | |
| harmful if swallowed | | |
| Harmful if inhaled | | |
| Causes severe skin burns and eye damage | | |
| Harmful to aquatic life with long lasting effects | | |
| May be corrosive to metals | | |
|  | | |
| Appearance | Hazy, Brown | Physical State Liquid |
| | | Odor Acidic |

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wear protective gloves/protective clothing/eye protection/face protection
 Avoid release to the environment

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 Specific treatment (see first aid on this label)
 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 or doctor/physician
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth Do not induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

None known

Unknown acute toxicity 0.031% of the mixture consists of ingredient(s) of unknown toxicity**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Components | CAS No. | Weight % |
|-------------------|-----------|----------|
| Hydrochloric acid | 7647-01-0 | 5 - 10% |

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

| | |
|--|--|
| General advice: | Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. Consult a physician. If symptoms persist, call a physician. |
| Eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| Skin contact: | Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water. |
| Ingestion: | If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |
| Inhalation: | Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician. |
| Note to physician: | Aspiration may cause pulmonary oedema and pneumonitis. |
| Medical condition aggravated by exposure: | Dermatitis and asthma. |

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Suitable extinguishing media: | Use dry chemical, CO ₂ , water spray or `alcohol` foam. |
| Specific hazards: | Do not allow material to contaminate ground water system. |
| Special protective equipment for fire-fighters: | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| Specific methods: | Water mist may be used to cool closed containers. |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapour/dust. Use personal protective equipment. Wash thoroughly after handling

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Sweep up and shovel into suitable containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling

Technical measures/precautions: Use only in area provided with appropriate exhaust ventilation.

Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Wear personal protective equipment. Wash thoroughly after handling.

Storage

Technical measures/storage conditions: DO NOT FREEZE Store in original container Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight Keep away from open flames, hot surfaces and sources of ignition

Incompatible products: Bases Strong oxidizing agents

Safe storage temperature: 40 - 100 ° F

Shelf life: 12 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Components | ACGIH Exposure Limits | OSHA TWA (final) | NIOSH - Pocket Guide |
|-------------------|---------------------------|------------------|--|
| Iron chloride | 1 mg/m ³ (TWA) | None | 1 mg/m ³ (TWA) |
| Hydrochloric acid | None | None | 5 ppm (Ceiling) 7 mg/m ³ (Ceiling) |

Engineering measures: Ensure adequate ventilation.

Personal Protective Equipment:

General: Eye Wash and Safety Shower

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

Eye protection: Goggles. Wear face-shield and protective suit for abnormal processing problems.

Hand protection: Neoprene gloves

Skin and body protection: Long sleeved clothing Chemical resistant apron

Hygiene measures: Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace.



9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------------|
| Physical State | Liquid |
| Appearance | Hazy, Brown |
| Odor | Acidic |
| Odor Threshold | No information available. |
| pH: | 1 |
| pH Dilution | No information available |
| Melting/freezing point | No information available |
| Boiling Point/Range | No information available |
| Flash Point | No information available |
| Method | No information available |
| Evaporation rate | No information available |
| Flammability Limits in Air | |
| upper flammability limit | No information available. |
| lower flammability limit | No information available. |
| VOC Content | No information available |
| VOC Content Product (lb/gal) | 0 |
| VOC Content Product (g/L) | 0 |
| VOC less water and exempt (lb/gal) | 0 |
| VOC less water and exempt (g/L) | 0 |
| HAP Content Product (g/L): | 0 |
| HAP Content Product (lb/gal) | 0 |

| | |
|--|---------------------------|
| Vapor pressure | No information available. |
| Vapor density | No information available. |
| Specific Gravity (g/cc, 15 C) | No information available |
| Density @ 25 ° C. (g/cc): | 1.149 |
| Bulk Density @ 77° F. (lb/gal): | 9.59 |
| Water Solubility | Soluble in water |
| Solubility in other solvents | No information available. |
| Partition coefficient: n-octanol/water | No information available |
| Autoignition temperature | No information available |
| Decomposition Temperature | No information available |
| Kinematic viscosity | No information available |
| Dynamic viscosity | No information available |
| Molecular Weight | No information available |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable under recommended storage conditions. |
| Conditions to avoid: | None known. |
| Materials to avoid: | Strong bases. Strong oxidizing agents. |
| Hazardous decomposition products: | Highly toxic fumes. HCl, Cl ₂ . |
| Hazardous Polymerization: | Not applicable. |

11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | Harmful if inhaled. |
| Eye Contact | Corrosive to the eyes and may cause severe damage including blindness. |
| Skin Contact | Contact causes severe skin irritation and possible burns. |
| Ingestion | Harmful if swallowed. |

| Components | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-------------------|-------------------|-----------------------|----------------------|
| Hydrochloric acid | 700 mg/kg (Rat) | 5010 mg/kg (Rabbit) | 3120 ppm (Rat) 1 h |

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

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

| Components | IARC Carcinogens | NTP | OSHA - Select Carcinogens |
|-------------------|------------------|------------|---------------------------|
| Hydrochloric acid | Not listed | Not listed | Not listed |

Sensitization No information available.

Mutagenic effects: No information available.

Reproductive Toxicity No information available.

Developmental Toxicity No information available.

Teratogenic No information available.

Specific target organ systemic toxicity (single exposure) Respiratory system.

Specific target organ systemic toxicity (repeated exposure) No information available.

Aspiration hazard No information available.

Additional information on toxicological effects

No information available

12. ECOLOGICAL INFORMATION

| Components | Ecotoxicity - Fish Species Data: | Ecotoxicity - Freshwater Algae Data: | Ecotoxicity - Water Flea Data: |
|-------------------|----------------------------------|--------------------------------------|--------------------------------|
| Hydrochloric acid | No data | No data | No data |

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

Bioaccumulation No information available.

| Components | Octanol/water partition coefficient |
|-------------------|-------------------------------------|
| Hydrochloric acid | - |

Mobility: No data available

Ozone: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Sweep up and shovel into suitable containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

| | |
|------------------------------------|--|
| UN/NA ID Number: | UN3264 |
| Proper shipping name: | Corrosive liquid, acidic, inorganic, n.o.s. (iron chloride, hydrochloric acid) |
| Hazard class: | 8 |
| PG: | II |
| RQ | Hydrochloric acid, RQ kg = 27896 |
| DOT ERG: | ERG 154 |
| Additional DOT Information: | Not applicable for packages of 5 gallons or less |

TDG (CANADA):

| | |
|-----------------------------------|--|
| UN nr: | UN3264 |
| Proper shipping name: | Corrosive liquid, acidic, inorganic, n.o.s. (iron chloride, hydrochloric acid) |
| TDG Hazard Classification: | 8 |
| Packing group: | II |

IMDG/IMO:

| | |
|------------------------------|--|
| UN nr: | UN3264 |
| Proper shipping name: | Corrosive liquid, acidic, inorganic, n.o.s. (iron chloride, hydrochloric acid) |
| Class: | 8 |
| Packing group: | II |
| Limited quantity: | 0.5 L |

IATA/ICAO:

| | |
|---|--|
| UN nr: | UN3264 |
| Proper shipping name: | Corrosive liquid, acidic, inorganic, n.o.s. (iron chloride, hydrochloric acid) |
| Hazard Class: | 8 |
| Packing group: | II |
| Maximum quantity for cargo only: | 30 L |
| Maximum quantity for passenger: | 1 L |
| Limited quantity: | 0.5 L |

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazard Communication Standard:

This product is considered to be hazardous under the OSHA Hazard Communication Standard.

CERCLA/SARA Information:

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes
Delayed Health (Chronic): Yes
Flammability: No
Pressure: No
Reactivity: No

| Components | Hazardous Substances and RQs | Extremely Hazardous Substances and TPQs | SARA 313 Emission Reporting |
|-------------------|------------------------------|---|-----------------------------|
| Hydrochloric acid | 5000 lb | 500 lb | 1.0 % |

Clean Air and Clean Water Acts:

| Components | Hazardous Air Pollutants | CWA - Hazardous Substances | CWA - Toxic Pollutants | CWA - Priority Pollutants |
|-------------------|--------------------------|----------------------------|------------------------|---------------------------|
| Hydrochloric acid | Listed | Listed | Not listed | Not listed |

U.S. STATE REGULATIONS (RTK):

| Components | California Proposition 65 | PARTK | MI Critical Materials | NJRTK | MARTK |
|-------------------|---------------------------|----------------------|-----------------------|-------|---------------------------|
| Hydrochloric acid | Not Listed | Environmental hazard | Not Listed | 1012 | Extraordinarily hazardous |

California Proposition 65 Status: May contain trace amounts of listed chemicals: arsenic, chromium, lead.

RCRA Status: To be disposed of as characteristic hazardous waste: characteristic: Corrosive D002

CANADIAN REGULATIONS:

Canada - WHMIS Classification Information: This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Canadian Product Classification: Class E - Corrosive Material
Class D1

Product Classification Graphic(s):



Component Classification Data:

| Components | WHMIS hazard class | CEPA Schedule I | Challenge Substances |
|-------------------|--------------------|-----------------|----------------------|
| Hydrochloric acid | D1A E | Not listed | Not listed |

INVENTORY STATUS:

United States TSCA - Sect. 8(b) Inventory:

This product complies with TSCA

Canada DSL/NDSL Inventory List

Compliance has not been determined

16. OTHER INFORMATION

Sources of key data used to compile the data sheet: Material safety data sheets of the ingredients.

Prepared by: Safety, Health and Environmental Department

Revision Date: 03/27/2015

Reason for revision: New Format.

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

End of Safety Data Sheet