



1) IDENTIFICATION:

Product identification: Safe T Brite

Product Code: 105812 2318

Manufacturer Information:

Omega Chemical Corp.
410 Trailwood Dr
Weatherford, TX
(219) 208-0500

Transportation Related Emergency:

Chemtrec: (800) 424-9300
Account No.: CCN223

2) HAZARD IDENTIFICATION:

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

HAZARD SUMMARY:

Signal Word:

DANGER



GHS Ratings:

Inhalation Toxicity	3	Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts & mists>0.5+<=1mg/l
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1-hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

GHS Hazards:

H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H331 Toxic if inhaled.



GHS Precautions

- P102 Keep out of reach of children.
- P201 Obtain special instructions before use.
- P260 Do not breathe dust/fume/gas/mist/vapor/spray.
- P270 Do not eat, drink, or smoke when using this product.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P281 Use personal protective equipment as required.
- P284 Wear respiratory protection.
- P363 Wash contaminated clothing before reuse.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container according to local, state, and Federal regulations

3) COMPOSITION/INFORMATION ON INGREDIENTS:

CHEMICAL	CAS NUMBER	W/WT %
Sulfuric Acid	7664-93-9	10.00% - 20.00%
Phosphoric Acid	7664-38-2	5.00% to 10.00%
Hydrofluoric Acid	7664-39-3	1.00% to 2.00%
Water	7732-18-5	Balance

All concentrations are in percent by weight

4) FIRST-AID MEASURES:

INHALATION:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, oxygen may be administered by trained personnel. If not breathing, provide artificial respiration. Seek medical attention immediately.

EYE CONTACT:

Immediately rinse eyes with copious amounts of tepid water for a minimum of 15-20 minutes. Eyelids should be held apart and away from eyeball for thorough rinsing. If contact lenses are present and easily removed do so after 2 minutes of rinsing. Seek medical attention immediately.

SKIN CONTACT:

Immediately wash with soap and water, flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Seek medical attention immediately.



INGESTION:

Do not induce vomiting! Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water (do not swallow). Seek medical attention immediately.

NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis.

5) FIRE FIGHTING MEASURES:

SUITABLE EXTINGUISHING MEDIA

Dry chemical or CO₂, Cool containers with flooding quantities of water until well after fire is out. Move containers from the fire area if you can do it without risk.

SPECIFIC HAZARDS:

Contact with metals may evolve flammable hydrogen gas. Flammable/toxic gases may accumulate in confined areas (basements, tanks, hopper/tank cars etc.) May ignite combustibles (wood paper, oil, clothing, etc.)

SPECIAL PPE & PRECAUTIONS:

Wear self-contained breathing apparatus for firefighting if necessary. Extinguish fire using agents suitable for nearby fires. Use water spray only to keep fire-exposed containers cool. No water. In case of fire in the surroundings: powder, foam, carbon dioxide. In case of fire: keep drums, etc., cool by spraying with water but NO direct contact with water.

6) ACCIDENTAL RELEASE MEASURES:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

SPILL/CLEAN UP:

Neutralize with soda ash, or sodium bicarbonate. Use clean, non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal. Prevent entry into waterways, sewers, basements, or confined areas.

LARGE SPILL:

Fully encapsulating, vapor-protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk. Use water spray to reduce vapors; do not put water directly on leak, spill area or inside container. Keep combustibles (wood, paper, oil, etc.) away from spilled material.



7) HANDLING AND STORAGE:

HANDLING PRECAUTIONS:

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Use with adequate ventilation. Avoid formation of aerosol mixtures involving the material. See section 8 for recommendations on the use of personal protective equipment.

STORAGE:

Keep container closed when not in use. Store in cool, dry well-ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities). Protect from excessive heat and/or freezing.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION:

Chemical Name/ CAS #	OSHA Exposure Limits	ACIGH Exposure Limits	Other Exposure Limits
7664-93-9	1 mg/m ³ TWA OSHA Annotated table Z-1 0.1 mg/m ³	0.2 mg/m ³ TWA (thoracic fraction)	NIOSH 1 mg/m ³ TWA NIOSH IDLHs (Immediately Dangerous to Life or Health) 15 mg/m ³
7664-38-2	1 mg/m ³ TWA	3 mg/m ³ STEL 1 mg/m ³ TWA	NIOSH 1 mg/m ³ TWA 3 mg/m ³ STEL
7664-39-3	3 ppm TWA (as F)	2 ppm Ceiling (as F) 0.5 ppm TWA (as F)	NIOSH: 3 ppm TWA; 2.5 mg/m ³ TWA 6 ppm Ceiling (15 min); 5 mg/m ³ Ceiling (15 min)

ENGINEERING CONTROLS:

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Eye wash facilities and an emergency shower must be available when handling this product.

PROTECTIVE EQUIPMENT:

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration, and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

RESPIRATORY PROTECTION:

Wear a NIOSH approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Follow the OSHA respirator regulations found in 29 CFR 1910.134 when exposure limits are not reduced by engineering controls or ventilation a full-face respirator with the appropriate cartridges is recommended.

EYE/FACE PROTECTION:

Wear appropriate safety glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. A Full-face respirator is recommended.

SKIN PROTECTION:

Wear chemical resistant clothing and gloves.



9) PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	
Physical state	Liquid
Color	Red
Odor	Acrid
Odor threshold	No data available
pH	1
Melting point/freezing point	No data available
Boiling point range	No data available
Flash point	Not applicable
Evaporation rate	No data available.
Flammability	Not flammable
Upper/lower flammability or explosive limits	No data available
Flammability limit – lower	No data available.
Flammability limit – upper	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity	approx. 1.048
Solubility (water)	Soluble in hot and cold water
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
VOC (Weight %)	No data available

10) STABILITY/REACTIVITY:

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CHEMICAL STABILITY:

Under normal conditions of storage and handling, this product is Stable.

CONDITIONS TO AVOID:

Extremely high or low temperatures and incompatible materials.

INCOMPATIBLE MATERIALS:

Strong acids, bases, and oxidizing agents.

HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur under normal conditions of use.

**11) TOXICOLOGICAL INFORMATION:**

Component	Test	Results	Species
7664-93-9	LC50 Inhalation	510 mg/m ³	Ray
	LD50 Oral	2140 mg/kg	Rat
7664-38-2	LC50 Inhalation	850 mg/m ³	Rat
	LD50 Oral	1530 mg/kg	Rat
7664-39-3	LC50 Inhalation	1 mg/L	Rat
	LD50 Dermal	500 mg/kg	Mouse

Carcinogenicity

Sulfuric acid: IARC: Human carcinogen

The IARC considers mists of strong inorganic acid to be carcinogenic (group 1). However, there is no information available on the carcinogenicity of other physical forms of this substance.

Therefore, no classification for carcinogenicity under GHS has been applied.

12) ECOLOGICAL INFORMATION:

7664-93-9 96 Hr. LC50 Brachydanio rerio: >500 mg/L [static]

7664-39-3 48 Hr EC50 Daphnia species: 270 mg/L

13) DISPOSAL CONSIDERATIONS:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber; Contaminated packaging: Dispose of as unused product. <2 and > 12 are considered corrosive material Waste code D002.

Dispose of according to local, state, and Federal regulation.

14) TRANSPORTATION INFORMATION :

UN Number: UN2922
Proper Shipping Name: Corrosive liquids, toxic, N.O.S. (Hydrofluoric, Sulfuric Acid)
Class: 8, (6.1)
Packing Group: II
ERG: 157
RQ: 100 lbs./45.4 kg



15) REGULATORY INFORMATION:

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CAS #	302 (EHS) TPQ	304 EHS RQ	CERCLA RQ	SECTION 313	RCRA CODE	CAA 112 (r) TQ
7664-93-9	1000	1000	1000	313		
7664-38-2			5000			
7664-39-3	100	100	100	X	U134	

Inventory - United States - Section 8(b) Inventory (TSCA)

All materials are listed or exempt

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

7664-93-9 1000 lbs; 454 kg final RQ

7664-39-3 100 lbs; 45.4 kg final RQ

U.S. - CWA (Clean Water Act) - Hazardous Substances

7664-93-9 Present.

7664-39-3 Present

US STATE REGULATIONS

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

7664-93-9 present.

7664-38-2 present.

7664-39-3 present.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

None.

U.S. - Massachusetts - Right to Know List

7664-93-9 present.

7664-38-2 present.

7664-39-3 present

U.S. - New Jersey - Right to Know Hazardous Substance List

7664-93-9 sn 1761

7664-39-3 sn 3759

7664-3802 sn 1516



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16) OTHER INFORMATION:

The information contained herein is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The company assumes no responsibility for personal injury or property damage to vendors, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the products.

Dated: 06.06.2023

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Supersedes Issue Dated:

02.19.16