



Safety Data Sheet
9/16/2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: Mar-Tek169
Product Code: MT169
Product Use: General Purpose Cleaner
Manufacturer Address: Mar-Tek Industries
301 Industrial Drive, Forney Texas 75126
Phone: (214) 350-9401
Emergency Telephone No. 1-800-255-3924

SECTION 2: Hazards Identification

GHS Classification of substance or mixture:
GHS Classification: Skin corrosion Category 1B
Specific target organ toxicity-
single exposure Category 3
GHS Label elements, including hazards and precautionary statements:

MAR-TEK INDUSTRIES

Signal word: DANGER
Pictogram



Hazard statements:

- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation; or
- H336 May cause drowsiness or dizziness

Precautionary statements:

Prevention:

- P260 Do not breathe dust or mists.
- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P271 Use only outdoors or in well-ventilated area.

Response:

P301+330+331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P302+361+354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.

P363 Wash contaminated clothing before reuse.

P304+340 If INHALED: Remove person to fresh air and keep comfortable for breathing.

P316 Get emergency medical help immediately.

P321 See treatment (Refer section 4)

P305+354+338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P405 Store locked up.

P403+233 Store in a well-ventilated place. Place container tightly closed.

Disposal:

P501 Dispose in accordance to local/regional/national/international regulation.

Supplemental hazard statements: Corrosive to eyes and skin. Irritating to respiratory system.

SECTION 3: Composition/Information on Ingredients

Chemical Name: Disodium trioxosilicate

Common Name: Sodium Metasilicate

CAS No.: 6834-92-0

Content (w/w): 45-60%

Non-hazardous components: 40-55%

SECTION 4: First aid measure

Description of first aid measures

General Advice: Consult physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult physician.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash it off with soap and plenty of water. Consult physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult physician.

If swallowed: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

Most important symptoms and effect, both acute and delayed: Burning sensation, cough, wheezing, laryngitis, shortness of breath, spasm, inflammation and edema of the larynx, inflammation and edema of the bronchi, pneumonitis, pulmonary edema. This material is extremely destructive to tissue of the mucous membranes and upper respiratory tract eyes and skin.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective measure: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: This product itself does not burn.

Specific hazard arising from the chemical: Sodium oxides, silicon oxide is expected to be the primary hazardous decomposition of this product.

SECTION 6: Accidental release measures

Personal precaution, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapours, mist and gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

Methods and materials for containment and cleaning up: Sweep spilled substance into plastic containers; if appropriate, moisten first to prevent dusting. Cautiously neutralize remainder with dilute acid (preferably acetic acid). Then wash away with plenty of water.

SECTION 7: Handling and storage

Precaution for safe handling: Avoid contact with skin and eyes. Keep containers closed when not in use. Store in a dry, cool and well-ventilated area. Containers may contain residue.

Conditions for safe storage, including any incompatibilities: All containers should be disposed of in an environmentally safe manner in accordance with all the government regulations. Keep this and all chemicals out of children.

SECTION 8: Exposure controls/personal protection

Engineering controls: General room or local exhaust ventilation is usually required to meet exposure limit (s).

Occupational exposure controls: *Contains no substances with occupational exposure limit values.*

Personal protective equipment

Eye/face protection: Safety glasses or approved equivalent as necessary to minimize eye contact.

Skin: Wear alkaline resistant gloves (natural latex).

Inhalation: Use a well-ventilated area. If mist is being generated and exceeds the TLV a respiratory protection program meeting OSHA 1910.134 requirements must be followed.

General hygiene consideration: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material before eating and smoking.

SECTION 9: Physical and chemical properties

Appearance

Physical state: Granular Powder

Color: White

Odor: Not appreciable

Odor threshold: Not available
 pH: Not applicable
 Melting point/freezing point: Not available
 Initial boiling point/boiling range: Not available
 Flash point: Not applicable
 Evaporation rate: Not available
 Flammability (solid, gas) No data available
 Upper/Lower flammability or explosive limits
 Flammability limit-lower (%): No data available
 Flammability limit-upper (%): No data available
 Vapor pressure: No data available
 Vapor density: No data available
 Solubility (ies): Soluble
 Specific gravity: Not applicable
 Partition coefficient
 (n-octanol/water): Not available
 Auto-ignition temperature: Not available
 Decomposition temperature: Not available

SECTION IO: Stability and reactivity

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Hydrogen

Condition to avoid: Avoid high temperature and incompatible material.

Incompatible materials: Avoid contact with aluminum, zinc, tin, copper and their alloys.

Hazardous decomposition: Sodium oxide fumes. Solution of sodium meta silicate when heated or acidified are hydrolyzed to free sodium ions and silicic acid.

SECTION II: Toxicological information

Information on likely route and sign and symptoms of exposure

Acute toxicity: LD50 Oral-rat-600-1350mg/kg

Ingestion: Harmful if swallowed.

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation

Skin contact: May be harmful if absorbed through skin. Causes skin burns.

Eye contact: Cause eye burns

Chronic toxicity Damage to organs: No data available

Teratogenicity Not available

Mutagenicity Not available

Embryotoxicity Not available

Specific target organ toxicity: Single exposure; may cause respiratory irritation, dizziness or drowsiness.

Acute toxicity

Skin: Corrosive –rabbit-severe irritation-24hrs

Eyes: Not available

Respiratory: Not available

Ingestion: Not available

Potential health effect

Eyes	Causes eye burns.
Inhalation	May be harmful if inhaled. Material extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Skin	Harmful if absorbed through skin. Causes skin burns.
Ingestion	Harmful if swallowed.

Carcinogenicity:

- IARC Not classified as to its carcinogenicity to human.
- ACGIH No component of this product presents at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH.
- NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: Ecological information

Ecotoxicity data:

Aquatic toxicity: This material has exhibited moderate toxicity to aquatic organisms.

Terrestrial: This material has exhibited slight toxicity to terrestrial organisms.

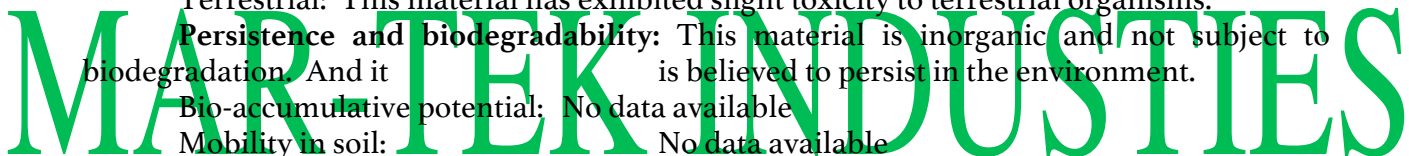
Persistence and biodegradability: This material is inorganic and not subject to biodegradation. And it is believed to persist in the environment.

Bio-accumulative potential: No data available

Mobility in soil: No data available

PBT and vPVB Assessment: No data available

Other adverse effect: No data available



SECTION 13: Disposal consideration

Waste disposal method: Dispose of in accordance with federal, state and local authorities.
Contaminated packaging: Dispose of container and unused content in accordance with federal, state and local requirements.

SECTION 14: Transportation information

US Department of Transportation

Shipping Name:	Not regulated
Hazard Class:	Not regulated
UN Number:	Not regulated
Packaging Group:	Not regulated
Marine pollutant:	Not regulated

SECTION 15: Regulatory information

TSCA inventory status	All ingredients are listed on the TSCA inventory
DSCL (EEC)	All ingredients are listed on the DSCL inventory
CERCLA	Not listed
California proposition 65	Not listed
Massachusetts Right to Know Act	Not listed
New Jersey Right to Know Act	Not listed
Pennsylvania Right to Know Act	Not listed
Minnesota Right to Know Act	Not listed
Florida Right to Know Act	Not listed
SARA 302	Not listed
SARA 304	Not listed
SARA 311	Acute health hazard
SARA 312	Acute health hazard
SARA 313	Not listed
WHMIS Canada	Listed

SECTION 16: Other information

Revision Date: 9/16/2019

NFPA Ratings

Health 3
Flammability 0
Reactivity 0
Specific Hazard N/A

MAR-TEK INDUSTRIES

HMIS Ratings

Health 3
Flammability 0
Reactivity 0
Personal N/A

Abbreviation and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEIL	Ceiling
DOT	Department of Transportation
GHS	Globally Harmonized System
HCS	Hazards Communication Standards
HMIS	Hazardous Materials Identification System
IDLH	Immediate Dangerous to Life or Health
NE	Not Established
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit
SARA	Superfund amendments and Reauthorization Act
STEL	Short Term Limit

TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Material Information System
WEEL	Workplace Environmental Exposure Levels

Disclaimer: Mar-Tek Industries provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

-----END OF SDS-----

MAR-TEK INDUSTRIES