SAFETY DATA SHEET

Date issued : 06/09/2026
SDS number : HammerTech Filter Spray Cleaner

HammerTech Solutions Filter Spray Cleaner

1. Identification

Product identifier: HammerTech Solutions Filter Spray Cleaner
Product description: Alkaline chelating cleaning agent
Relevant identified uses: Filter Cleaner

Distributor

HammerTech Solutions, LLC.
270 W. Bell Road
Suite 1100
Phoenix, AZ 85053
Web: hammertechsolutions.com

Emergency telephone number (24 hour)

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. Hazard identification

Label elements

Exclamation mark

Corrosion

Signal word: DANGER

Hazard statement(s)

H319: Causes serious eye irritation.

Precautionary statement(s)

Supplemental label elements:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P264: Wash ... thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Emergency overview

Physical appearance: This product is a bluish color liquid.

Immediate concerns: May cause irritation to eyes and skin. May cause nausea and headache if ingested.

Routes of entry: Eyes, Skin, Inhalation, Ingestion

Comments health: This substance can be toxic to mucous membranes, skin and eyes. Repeated skin exposure can produce local skin irritation, or dermatitis. Repeated inhalation of vapor/mist can produce varying degree of respiratory irritation or lung damage.

Comments: Acute Health Hazards: Hazardous - Irritant to eyes and skin. May be corrosive to eyes and skin depending upon length of contact time. Extended eye contact can result in corneal damage or blindness. Extended skin contact can produce minor inflammation and blistering. Inhalation of mist can produce irritation to gastrointestinal or respiratory tract. characterized by slight burning, sneezing and coughing. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by Itching, scaling, reddening, or, occassionally, blistering.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Sodium Metasilicate Nonahydrate	1 - 10	13517-24-3
EthylenediaminetetraAcetic Acid, Tetrasodium Salt	1 - 10	64-02-8

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Diphosphoric Acid, Tetrapotassium Salt	1 - 10	7320-34-5
Proprietary Inert	> 70	

Comments: Common name: Disodium Trioxosilicate, Sodium Silicate

4. First-aid measures

Eye: Check for and remove contact lenses. Immediately flush eyes with plenty of water for 15 at least minutes. Cold water may be used. Get medical attention immediately.

Skin: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical professional. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Indication of immediate medical attention and special treatment needed, if necessary: No further information available.

5. Fire-fighting measures

Flammable class: Nonflammable

Suitable extinguishing media: Dry chemical, CO2, or water spray.

Hazardous decomposition products: None known.

6. Accidental release measures

Environmental precautions

Land spill: Prevent spreading concentrate solution over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

General procedures: Comply with all applicable federal, state, and local regulations for clean-up and disposal methods.

Comments: Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust, clay bases granular.)

7. Handling and storage

Precautions for safe handling: Containers of this product may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solid), all hazard precautions given in this data sheet must be observed.

Conditions for safe storage: Store in a cool, dry, well-ventialted area. Keep from freezing or extreme heat (over 95 degrees F).

8. Exposure controls/personal protection

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Exposure controls

Control parameters				
	Occupational exposure limit values			
Chemical name	**Type**		**ppm**	**mg/m³**
Sodium Metasilicate Nonahydrate	**Supplier OEL**	**TWA**	NL [1]	[1]
		STEL	NL	
Diphosphoric Acid, Tetrapotassium Salt	**OSHA PEL**	**TWA**	[1]	[1]
	Supplier OEL	**TWA**	NL	NL
		STEL	NL	NL

Footnotes:
1. NL = Not Listed

Appropriate engineering controls: Always use this material in a well-ventilated area.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear chemical splash goggles or face shield when there is a potential for exposure to the eyes or face. Maintain eyewash station in immediate work area.

Respiratory protection: A NIOSH-approved air purifying respirator with an appropriate cartridge or filter may be permissable under certain circumstances where airborne concentrations are expected to exceed exposure limits (f applicable) or if overexposure has already been determined. Protection provided by air purifying respirators is limited. Use a positive pressure air-supplied respirator if there is any potential of an uncontrolled release, if exposure levels are not know, or any other circumstances where air purifying respirators may not provide adequate protection.

Skin protection - other: Wear appropriate chemical impervious clothing and boots whenever there is potential for skin contact with product. Launder clothing before reuse. Maintain safety shower at all locations where skin contact is imminent. Contact your local safety equipment supplier to assist the facility in determining the proper selection of personal protective equipment for the applications at your facility. Wear resistant gloves. Discard gloves that show tears, pinholes, or signs of wear. Aprons are to be worn if material is likely to splash, spill or produce a mist, vapor or spray.

Occupational hygiene practices: Wash hands often and whenever you have completed handling this material before you handle other items including your eyes, mouth, etc.

9. Physical and chemical properties

Physical state: Liquid

Color: Bluish

Odor: Mild.

pH: 10.9 to 14.9

Melting point: N/A

Freezing point: 0°C (32°F)

Initial boiling point and boiling range: 100°C (112°F)

Flash point: Not Applicable.

Vapor pressure: 2.3 at 20°C

Relative vapor density: 0.62

Notes: at 20 degrees C

Relative density: 1.066 at 20°C

Solubility: Easily soluble in cool water, hot water. Soluble in dilute material.

Molecular weight: 19.22 g/mol

Percent volatiles: By Weight >1%; By Volume @ 20 C

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10. Stability and reactivity

Dangerous polymerization: Will not occur.

Chemical stability: Stable.

Conditions to avoid: Excessive heat or freezing

Hazardous decomposition products: Ammonia, nitrogen oxides (NOX), hydrogen, cyanide, hydrocarbons.

Incompatible materials: Acids, aluminum, copper, copper alloys, halogenated hydrocarbons, metals, nickel, organic nitro compounds, oxidizing agents, reactive metals (such as aluminum and magnesium), steel, strong bases, zinc.

11. Toxicological information

Comments: None available.

12. Ecological information

Aquatic toxicity, both acute and chronic

Notes: TOXICITY TO FISH:

Component: EthylenediaminetetraAcetic Acid, Tetrasodium Salt: 96h LC50; 472-500 mg/l (Bluegill) Static: Mortality

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

Component: EthylenediaminetetraAcetic Acid, Tetrasodium Salt: 24 h EC Water Flea (Daphnia magna): 570-640 mg/l Mortality

13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Corrosive Liquid, Basic, Organic, N.O.S. (Sodium Metasilicate solution)

UN number: UN3267

Transport hazard class(es): 8

Packing group, if applicable: III

DOT other shipping information: Quantity Limits: Passenger Aircraft/Rail/Road = 5.0 L (1.3 Gallons); Cargo Aircraft only = 2.5 L

-Total weight of package may not exceed 66 pounds.

-Inner packaging no more than 5.0 L.

Vessel Storage: Stow clear of living quarters and separate from acids.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Not regulated.

313 reportable ingredients: Not regulated.

TSCA (The Toxic Substances Control Act)

TSCA regulatory: Not regulated.

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Regulations

State regulations: Not regulated.

16. Other information

Date Prepared: 06/09/2026

HMIS rating

Health		1
Flammability		0
Physical hazard		0
Personal protection		

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