

SAFETY DATA SHEET

Date issued : 12/19/2014

SDS number : HAN

Date revised : 12/15/2021

Revision number : 1

Hang Tite Plus

1. Identification

Product code: HAN

Product identifier: Hang Tite Plus

Product description: Clinging Disinfectant Bowl Cleaner

Chemical family: Acid/Quaternary Ammonium Chloride Blend

Relevant identified uses: Cleaning/disinfecting toilet bowls and urinals

Manufacturer / Supplier

MISCO Products Corporation

1048 Stinson Drive

Reading, PA 19605

Emergency Phone: 610-926-4106

Customer Service: 800-548-4568

Transportation: 800-548-4568

EPA reg. No.: 1839-104-8325

Emergency telephone number (24 hour)

CHEM-TEL (Medical and Transportation): 800-255-3924

POISON CONTROL CENTER (Medical): 800-222-1222

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Skin Corrosion, Category 1B

Serious Eye Damage, Category 1

Physical hazards:

Corrosive to Metals, Category 1

Label elements



Corrosion

Signal word: DANGER

Hazard statement(s)

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

H290: May be corrosive to metals.

Precautionary statement(s)

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P260: Do not breathe fumes, gas, mist, vapors or spray.

P264: Wash hands thoroughly after handling.

P102: Keep out of reach of children.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363: Wash contaminated clothing before reuse.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor/physician.

P391: Collect spillage.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container according to all local, state and Federal regulations.

Emergency overview

Physical appearance: Blue-green liquid

Immediate concerns: Causes irreversible eye damage and skin burns.

Potential health effects

Eye: Corrosive, contact causes severe eye burns.

Skin: Contact causes severe skin irritation and possible burns.

Skin absorption: Harmful if absorbed through skin.

Ingestion: Harmful if swallowed.

Reproductive toxicity

Teratogenic effects: None known.

Carcinogenicity: None known.

Mutagenicity: None known.

Routes of entry: Eye, skin, ingestion.

Cancer statement: NA = Not Applicable

Warning caution labels: Corrosive

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Alkyl (60% C14, 30% C16, 5% C12, 5% C18) Dimethyl Benzyl Ammonium Chloride	0.5	68391-01-5
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	0.5	85409-23-0
Hydrochloric Acid	8	7647-01-0
PEG-2 Hydrogenated Tallow Amine	1 - 5	61791-26-2
Fragrance	< 1	TS
Dye	< 0.1	TS
Water	85 - 90	7732-18-5

Comments: If CAS number is "TS", the specific chemical identity has been withheld as a trade secret.

4. First-aid measures

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Most important symptoms and effects, both acute and delayed

Eye: Burning sensation with tears, redness.

Skin: Burning sensation, redness, swelling and possible blistering.

Skin absorption: None Expected.

Ingestion: Corrosive to mouth and upper gastrointestinal tract

Inhalation: Inhalation of mists is extremely irritating to mucous membranes and upper respiratory tract.

Acute effects: Corrosive to eyes and skin. Harmful if inhaled.

Indication of immediate medical attention and special treatment needed, if necessary: Probable mucosal damage may contraindicate the use of gastric lavage.

5. Fire-fighting measures

Flammable class: None

Suitable extinguishing media: Not required.

Explosion hazards: None

Hazardous decomposition products: None Expected.

6. Accidental release measures

Small spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Large spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

Environmental precautions

Water spill: Avoid discharges into open waterways and notify your local emergency services if this occurs.

Land spill: Avoid discharge to soil.

Air spill: NA = Not Applicable

General procedures: Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unnecessary personnel.

Release notes: Product is toxic to aquatic life.

Special protective equipment: Eye protection, rubber gloves, rubber boots to protect feet.

7. Handling and storage

General procedures: Do not contaminate water, food, or feed by storage and disposal.

Precautions for safe handling: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Conditions for safe storage: Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Storage temperature: Store at ambient temperatures.

Storage pressure: Store at ambient atmospheric pressure.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Hydrochloric Acid	OSHA PEL	TWA	5 ppm	
	ACGIH TLV	TWA	2 ppm	
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles.

Skin protection - hand protection: Rubber or other chemical resistant gloves.

Respiratory protection: A respirator is not needed under normal and intended conditions of product use.

Occupational hygiene practices: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. Physical and chemical properties

Physical state: Liquid

Color: Blue-green

Odor: Fresh

Odor threshold: Not Established

pH: < 1.0

Freezing point: 32° F; 0° C

Initial boiling point and boiling range: 212° F; 100° C

Flash point: None

Evaporation rate (n-butyl acetate = 1): (Water =1) 1.0

Lower explosion limit / flammability limit: N/A

Vapor pressure: 20 mm Hg at (68°F)

Relative vapor density: > 1 Air = 1

Density: 8.64 at 20°C (68°F)

Relative density: 1.035 grams/ml. at 20°C (68°F)

Solubility: Complete

Auto-ignition temperature: NA = Not Applicable

Decomposition temperature: Not Available

Viscosity: Slightly viscous.

Percent volatiles: >90

VOC content: None

10. Stability and reactivity

Reactivity: Stable

Dangerous polymerization: Will not occur.

Conditions to avoid: Avoid excessive heat.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Incompatible materials: Strong alkalis, reducing agents, chlorine bleach products; metals e.g. aluminum, brass, copper, iron.

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	> 500 mg/kg (rat)	> 2000 mg/kg (rabbit)	
Hydrochloric Acid	900 mg/kg (rat)		2134 mg/l (Rat), Aerosol
PEG-2 Hydrogenated Tallow Amine	1316 mg/kg (rat)	1260 mg/kg (rabbit)	No data available

Acute dermal toxicity LD₅₀: Not Established

Acute oral toxicity LD₅₀: Not Established

Skin corrosion / irritation: Corrosive

Germ cell mutagenicity: No known significant effects or critical hazards.

Carcinogenicity

Chemical name	IARC
Hydrochloric Acid	Group 3 - Not classifiable as to its carcinogenicity to Humans

IARC: Not Established

Reproductive toxicity: No known significant effects or critical hazards.

Specific Target Organ Toxicity - single exposure: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicological information: This product is toxic to fish.

Aquatic toxicity, both acute and chronic: Not Established

Persistence and degradability: Not Established

Other adverse effects: Not Established

13. Disposal considerations

Disposal methods: Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous.

Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

For large spills: Consult with local and state authorities for large volume disposal.

Empty container: Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose in a sanitary landfill, or by incineration.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Corrosive Liquid, n.o.s

Technical name: Hydrochloric Acid Solution

Transport hazard class(es): 8

UN number: 1760

Packing group, if applicable: III

Placards: Corrosive

Hazard label: Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

DOT other shipping information: Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

U.S. Customs harmonization number: 3808.94.0000

ICAO - air

UN proper shipping name: Contact manufacturer for more information.

IMDG - sea

UN proper shipping name: Contact manufacturer for more information.

15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification



Corrosive



Limited
Quantity
Ground

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Health - Acute

313 reportable ingredients: No listed substance

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: No listed substance

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Hydrochloric Acid	8	5,000

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All ingredients are listed on the TSCA Chemical Inventory.

States with special requirements

Chemical name	Requirements
Hydrochloric Acid	Massachusetts Right to Know Substance New Jersey Right To Know Substance New York Right to Know Substance Pennsylvania Right to Know Substance Rhode Island Right to Know Substance

California Proposition 65: No listed substance

Carcinogen: NA = Not Applicable

FIFRA (federal insecticide, fungicide, and rodenticide act): Regulated

16. Other information

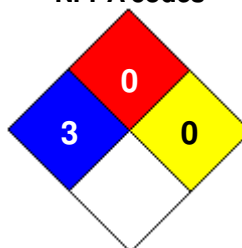
Prepared by: Regulatory Affairs Department Date revised: 12/15/2021

Revision summary: This SDS replaces the 12/19/2014 SDS. Revised: **Section 2:** Classification of the substance or mixture. **Section 14:** USA Department of Transport Regulations (DOT) - UN proper shipping name.

HMIS rating

Health		3
Flammability		0
Physical hazard		0
Personal protection	B	

NFPA codes



Manufacturer disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.