

SAFETY DATA SHEET

CLING NO. 153

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 1/28/2004

Revision date: 2/20/2024

SECTION 1: Identification

Identification

Product name : CLING NO. 153
CAS-No. : MIXTURE
Product code : FP0153
Recommended use : No additional information available
Restrictions on use : No additional information available

Supplier

Hydrite Chemical Co.
17385 Golf Parkway
Brookfield, WI, 53045
T 262-792-1450

Emergency telephone number

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency #: (414) 277-1311
CHEMTREC Emergency #: (800) 424-9300

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS US classification

Corrosive to metals Category 1
Skin corrosion/irritation Category 1C
Serious eye damage/eye irritation Category 1
Hazardous to the aquatic environment – Acute Hazard Category 2
Hazardous to the aquatic environment – Chronic Hazard Category 2

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

May be corrosive to metals
Causes severe skin burns and eye damage
Toxic to aquatic life
Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention :

Keep only in original container.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands, forearms and face thoroughly after handling.

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Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

Response : If swallowed: rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a doctor.
Specific treatment (see supplemental first aid instruction on the SDS).
Wash contaminated clothing before reuse.
Absorb spillage to prevent material-damage.
Collect spillage.

Storage : Store in a secure manner.
Store in corrosive resistant container with a resistant inner liner.

Disposal : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Hazards not otherwise classified

Hazards not otherwise classified : May react with certain metals to form explosive/flammable hydrogen gas. May react violently with water.

Unknown acute toxicity (GHS US)

Unknown acute toxicity (GHS US) : 2.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
4.68% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
9.47% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on Ingredients**Substances/ Mixtures**

Name	Product identifier	%	GHS US classification
PHOSPHORIC ACID	CAS-No.: 7664-38-2	25 – 50	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
C(10-16)-ALKYLBENZENESULFONIC ACID	CAS-No.: 68584-22-5	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Polyethylene Glycol Phenyl Ether Phosphate	CAS-No.: 39464-70-5	1 – 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
SECONDARY ALCOHOL ETHOXYLATE	CAS-No.: 84133-50-6	1 – 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401

*Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

Comments: Alternate CAS# for C(10-16)-ALKYLBENZENESULFONIC ACID (68584-22-5): 27176-87-0, 85536-14-7

SECTION 4: First-aid measures**Description of first aid measures**

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical advice/attention.
First-aid measures after skin contact	: If on skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Do not reuse clothing and shoes until cleaned. Do not apply oils, ointments, or creams unless directed by a physician.
First-aid measures after eye contact	: If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Remove contact lenses if easy to do.
First-aid measures after ingestion	: If swallowed: If fully conscious, drink a quart of water. DO NOT induce vomiting. CALL A PHYSICIAN IMMEDIATELY. If unconscious or in convulsions, take immediately to a hospital or a physician. NEVER induce vomiting or give anything by mouth to an unconscious victim. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: CORROSIVE-CAUSES SEVERE IRRITATION AND BURNS. Vapor, dusts, mists or spray may irritate or burn: respiratory tracts, nose, mouth, and throat. . Vapor, dust, mist or spray may cause: coughing, pulmonary edema, chemical pneumonitis, permanent damage.
Symptoms/effects after skin contact	: CORROSIVE-CAUSES SEVERE IRRITATION AND BURNS. Contact may cause: dermatitis(inflammation of the skin), ulceration and permanent skin damage.
Symptoms/effects after eye contact	: Serious damage to eyes. CORROSIVE-CAUSES SEVERE IRRITATION AND BURNS. May cause: ulcerations, conjunctivitis, permanent eye damage, and blindness. Consult an eye specialist.
Symptoms/effects after ingestion	: CORROSIVE. May irritate or burn: mouth, throat, esophagus and stomach. May cause: abdominal pain, chest pain, nausea, vomiting, diarrhea, seizures, hemorrhaging and permanent damage. Aspiration into the lungs may occur during ingestion or vomiting, resulting in severe pulmonary injury. May be fatal if swallowed.
Immediate medical attention and special treatment, if necessary	: No specific antidote known. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Causes serious eye burns. Consult an eye specialist.

SECTION 5: Fire-fighting measures**Extinguishing Media**

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use water jet.

Specific hazards arising from the chemical

Fire hazard	: Contact with metals could evolve flammable hydrogen gas. Violent steam generation or eruption may occur upon application of direct water stream to hot and burning liquids.
Explosion hazard	: No direct explosion hazard.
Reactivity in case of fire	: Contact with metals could evolve flammable hydrogen gas.
Hazardous decomposition products	: Toxic fumes may be released. Phosphorus oxides. Phosphine. Sulfur oxides (SOx). Carbon oxides (CO, CO2). Sulfuric acid.
Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

- General measures : Do not allow run-off from fire fighting to enter drains or water courses. Do not handle until all safety precautions have been read and understood. Maintain adequate ventilation.
- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental precautions

- Environmental precautions : Avoid release to the environment.

Methods and material for containment and cleaning up

- For containment : Stop leak, if possible without risk. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Flush remaining area with water and neutralize with Soda Ash or Lime and dispose of properly. Ventilate the area thoroughly.
- Other information : Dispose of materials or solid residues at an authorized site.
- Reference to other sections : For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

- Additional hazards when processed : Reacts with water, generates heat. Contact with water may cause violent reaction with evolution of heat. To Dilute: add product slowly to lukewarm water; not water to product.
- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment. Do NOT taste or swallow.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store in a secure manner. Keep cool. Protect from sunlight. Store in dry protected location to prevent any moisture contact. Do not freeze.
- Incompatible materials : Metals. Heat sources. Keep away from any possible contact with water, because of violent reaction and possible flash fire. May react violently with alkalis.
- Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

Control parameters

Component	ACGIH	OSHA
C(10-16)-ALKYLBENZENESULFONIC ACID	No data available	No data available
PHOSPHORIC ACID	3 mg/m ³ STEL, 1 mg/m ³ TWA	1 mg/m ³ TWA
Polyethylene Glycol Phenyl Ether Phosphate	No data available	No data available
SECONDARY ALCOHOL ETHOXYLATE	No data available	No data available

Note: * Exposure limit for Polyethylene glycol: 10 mg/m³ TWA WEEL (Particulate).

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Appropriate engineering controls

- Appropriate engineering controls : Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly. General room ventilation and local exhaust are required. Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

- Personal protective equipment : Wear recommended personal protective equipment.
- Hand protection : Protective gloves
- Eye protection : Do not wear contact lenses. Wear chemical safety goggles and a full face shield while handling this product.
- Skin and body protection : Protective gloves: Impervious. Chemical-resistant. Prevent contact with this product. Wear gloves and protective clothing depending on condition of use.
- Respiratory protection : If exposure limits are exceeded, wear: NIOSH-Approved respirator. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use. Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits.
- Other information : Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use. Protective equipment. Eye-wash station. Safety shower. Rubber apron. Chemical safety shoes. Rubber boots. Protective clothing. Full-rubber acid suit. NOTE: The above protective equipment is listed for exposure to this product at full strength. When using this product at the recommended use dilution of up to 4 oz/gal, wearing rubber gloves and chemical safety goggles are acceptable precautionary measures.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- Physical state : Liquid
- Color : Clear. Light brown.
- Odor : No odor.
- Odor threshold : No data available
- pH : < 2
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : Not applicable.
- Vapor pressure : No data available
- Relative vapor density at 20°C : No data available
- Relative density : 1.197 @ 25 °C
- Solubility : Complete.
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosion limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available

SECTION 10: Stability and reactivity

Information on stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use. Contact with metals could evolve flammable hydrogen gas.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: amines. bases. strong oxidizing agents. strong reducing agents. aluminum. aldehydes. strong bases. alcohols. glycols. sulfides. steel. brass. sulfites. metals. fluorine. sulfur trioxide. phosphorous pentoxide. copper. cyanides. combustible materials. strong alkalis. organic peroxides. ketones. nitromethane. sulfur. mild steel. epoxides. caustics. amides. sodium tetrahydroborate. azo-compounds. carbamates. esters. phenols. cresols. organophosphates. explosives. unsaturated halides. mercaptans. bronze. fluorides. halogenated organics. metals.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Phosphorous oxide. phosphine. Sulfur dioxide. Sulfur oxide. Carbon monoxide. Carbon dioxide. Sulfuric acid. May liberate toxic gases.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Numerical Measures of Toxicity

Component	ORAL LD50	DERMAL LD50	INHALATION LC50
C(10-16)-ALKYLBENZENESULFONIC ACID	Rat: 775 mg/kg	Rabbit: 2000 mg/kg	Rat: > 1.9 mg/l air
PHOSPHORIC ACID	Rat: 1530 mg/kg	Rabbit: 2740 mg/kg	Rat: 3846 mg/l/1h
Polyethylene Glycol Phenyl Ether Phosphate	No data available	No data available	No data available
SECONDARY ALCOHOL ETHOXYLATE	Rat: 2100 mg/kg	No data available	No data available

Skin corrosion/irritation	: CORROSIVE-CAUSES SEVERE IRRITATION AND BURNS. Contact may cause: dermatitis(inflammation of the skin), ulceration and permanent skin damage.
Serious eye damage/irritation	: CORROSIVE-CAUSES SEVERE IRRITATION AND BURNS. May cause: ulcerations, conjunctivitis, permanent eye damage, and blindness.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: No additional information available
Symptoms/effects after inhalation	: CORROSIVE-CAUSES SEVERE IRRITATION AND BURNS. Vapor, dusts, mists or spray may irritate or burn: respiratory tracts, nose, mouth, and throat. . Vapor, dust, mist or spray may cause: coughing, pulmonary edema, chemical pneumonitis, permanent damage.
Symptoms/effects after skin contact	: CORROSIVE-CAUSES SEVERE IRRITATION AND BURNS. Contact may cause: dermatitis(inflammation of the skin), ulceration and permanent skin damage.

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Symptoms/effects after eye contact	: Serious damage to eyes. CORROSIVE-CAUSES SEVERE IRRITATION AND BURNS. May cause: ulcerations, conjunctivitis, permanent eye damage, and blindness. Consult an eye specialist.
Symptoms/effects after ingestion	: CORROSIVE. May irritate or burn: mouth, throat, esophagus and stomach. May cause: abdominal pain, chest pain, nausea, vomiting, diarrhea, seizures, hemorrhaging and permanent damage. Aspiration into the lungs may occur during ingestion or vomiting, resulting in severe pulmonary injury. May be fatal if swallowed.
Other information	: No additional information available

SECTION 12: Ecological information**Toxicity**

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

CLING NO. 153 (MIXTURE)

LC50 - Fish [1]	71.22 mg/l P. Promelas (fathead minnow)
EC50 - Crustacea [1]	141.36 mg/l C. dubia
NOEC chronic fish	100 mg/l P. Promelas (fathead minnow)
NOEC chronic crustacea	12.5 mg/l C. dubia

Persistence and degradability

No additional information available

SECTION 13: Disposal considerations**Disposal methods**

Regional waste regulation : U.S. - RCRA (Resource Conservation Recovery Act) - D Series Wastes - Corrosivity D002.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information**Modes of transport****DOT (Department of Transportation):**

Identification Number (DOT) : UN3264
Proper Shipping Name (DOT) : Corrosive liquid, acidic, inorganic, n.o.s. (CONTAINS : PHOSPHORIC ACID)
Hazard Class (DOT) : 8
Packing group (DOT) : III
Labels Required (DOT) : Corrosive

**IMDG (International Maritime Dangerous Goods Code):**

Identification Number (IMDG) : UN3264
Proper Shipping Name (IMDG) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid)
Hazard Class (IMDG) : 8
Packing group (IMDG) : III
Labels Required (IMDG) : Corrosive substances



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IATA (International Air Transport Association):

Identification Number (IATA) : UN3264
 Proper Shipping Name (IATA) : Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid CONTAINS : PHOSPHORIC ACID)
 Hazard Classes (IATA) : 8
 Packing group (IATA) : III
 Labels Required (IATA) : Corrosive

**Environmental hazards**

Dangerous for the environment : Yes
 Marine pollutant : Yes



Other information : No supplementary information available.

DOT RQ Table

Name	DOT RQ
C(10-16)-ALKYLBENZENESULFONIC ACID	1000 lbs RQ
SULFURIC ACID	1000 lbs RQ
PHOSPHORIC ACID	5000 lbs RQ

SECTION 15: Regulatory Information**US Federal regulations**

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

C(10-16)-ALKYLBENZENESULFONIC ACID	CAS-No. 68584-22-5	1 – 5%
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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

C(10-16)-ALKYLBENZENESULFONIC ACID (68584-22-5)

CERCLA RQ	1000 lb
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PHOSPHORIC ACID (7664-38-2)

CERCLA RQ	5000 lb
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International Regulations

No additional information available

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US State regulations

Component	CAS No.	State or local regulations
PHOSPHORIC ACID	7664-38-2	Wisconsin HAP

SECTION 16: Other information**Hazard Rating System**

Health: 3 *
Flammability: 0
Physical: 0

NFPA Rating System

NFPA health hazard: 3
NFPA fire hazard: 0
NFPA reactivity: 0

Abbreviations and acronyms	
HAP	Hazardous Air Pollutant
VOC	Volatile Organic Compound
STEL	Short Term Exposure Limit
TWA	Total Average Weight
RQ	Reportable Quantity

Revision date: 2/20/2024

Supersedes: 6/8/2023

Issue date: 1/28/2004

Reason for Revision: Changes made throughout the SDS. New format.

SDS Prepared by: AF

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