

AcidiShine™

SAFETY DATA SHEET

Preparation Date: 02-Nov-2015

Revision Date: 07-Aug-2025

Revision Number: 11

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name AcidiShine™

Other means of identification

Item#: 4398

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Sanitizer, Restricted to professional users

Uses advised against All other

Details of the supplier of the safety data sheet

Supplier DeLaval Cleaning Solutions
11100 N. Congress Ave.
Kansas City, MO 64153 : 816-891-7700, 8am – 5pm M-F

Emergency Telephone Number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--|------------|
| Acute Toxicity - Dermal | Category 4 |
| Skin Corrosion/Irritation | Category 1 |
| Serious eye damage/eye irritation | Category 1 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Oxidizing liquids | Category 2 |
| Organic peroxides | Type F |
| Corrosive to metals | Category 1 |

Label Elements

Emergency Overview

DANGER

Hazard Statements

Harmful in contact with skin
Causes severe skin burns and eye damage
May cause respiratory irritation. May cause drowsiness or dizziness
May intensify fire; oxidizer
Heating may cause a fire
May be corrosive to metals

**Appearance** Clear Colorless**Physical state** Liquid**Odor** Pungent**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Use only outdoors or in a well-ventilated area
 Keep/Store away from clothing/ combustible materials
 Take any precaution to avoid mixing with combustibles
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

In case of fire: Use water spray to extinguish.
 Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store locked up
 Store away from other materials
 Store in corrosive resistant container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No | Weight-% |
|-----------------------|-----------|----------|
| Hydrogen peroxide | 7722-84-1 | 6 |
| Acetic acid | 64-19-7 | 20 - 30 |
| Peracetic acid | 79-21-0 | 5.2 |
| Methane sulfonic acid | 75-75-2 | 10 - 20 |

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

| | |
|---------------------|---|
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately. |
| Skin contact | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Consult a physician. |
| Inhalation | Move to fresh air. Give oxygen or artificial respiration if needed. If symptoms persist, call a physician. |
| Ingestion | Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person. |

Most important symptoms and effects, both acute and delayed

The product causes burns of eyes, skin and mucous membranes. Irritating to respiratory system. Oxidizing agent. Contact with combustible material may cause fire.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water.

Unsuitable Extinguishing Media

dry chemical, Carbon dioxide (CO₂), Foam.

Specific hazards arising from the chemical

Decomposition will release oxygen which may increase the intensity of a fire. The product causes burns of eyes, skin and mucous membranes.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health hazards 3

Flammability 1

Instability 1

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. In case of insufficient ventilation, wear suitable respiratory equipment. For personal protection see section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). DO NOT use combustible materials such as sawdust. Drying of this product on clothing or combustible materials may cause fire. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Keep away from clothing and other combustible materials. Wear personal protective equipment. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a receptacle equipped with a vent. Store in upright position only. Keep away from direct sunlight. Do not store near combustible materials. Store at temperatures not exceeding 30°C/ 86°F. Store locked up. Other than for transportation, it is recommended NOT to store this product on wooden pallets. Follow all local storage code requirements. Store locked up. Store away from other materials. Store in corrosive resistant container with a resistant inner liner.

Incompatible Materials dirt, combustible material, organic materials, reducing agents, bases, light metals (e.g. aluminum, copper, brass, zinc galvanized)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------------|-----------------------------|--|------------|
| Hydrogen peroxide 7722-84-1 | TWA: 1 ppm | TWA: 1 ppm TWA: 1.4 mg/m ³ | 75 ppm |
| Acetic acid 64-19-7 | TWA: 10 ppm STEL: 15 ppm | TWA: 10 ppm TWA: 25 mg/m ³ | 50 ppm |
| Peracetic acid 79-21-0 | STEL: 0.4 ppm | | - |

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Goggles. Face-shield.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|------------------------------|--------------------------|------------------------|--------------------------|
| Physical state | Liquid | Odor | Pungent |
| Appearance | Clear Colorless | Odor Threshold | No information available |
| Property | Values | Remarks/ Method | |
| pH | 2 (1%) | | |
| Melting point/freezing point | No information available | | |
| Boiling Point/Range | No information available | | |
| Flash Point | No information available | | |
| Evaporation rate | No information available | | |

| | |
|---|--------------------------|
| Flammability (solid, gas) | No information available |
| Flammability Limit in Air | |
| Upper flammability limit | No information available |
| Lower flammability limit | No information available |
| Vapor Pressure | No information available |
| Vapor Density | No information available |
| Specific Gravity | 1.13 |
| Water Solubility | No information available |
| Partition coefficient: n-octanol/water | No information available |
| Autoignition Temperature | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |
| Dynamic viscosity | No information available |

Other information

| | |
|-----------------------------------|------------|
| Liquid Density | 9.4 lb/gal |
| SADT (For Organic Peroxides Only) | >50°C |

10. STABILITY AND REACTIVITY

Reactivity

May react with other chemicals. Do not mix with other chemicals except as directed on label.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None known.

Conditions to Avoid

Extremes of temperature and direct sunlight. Protect from contamination.

Incompatible Materials

dirt, combustible material, organic materials, reducing agents, bases, light metals (e.g. aluminum, copper, brass, zinc galvanized)

Hazardous decomposition products

Decomposition will release oxygen which may increase the intensity of a fire.

11. TOXICOLOGICAL INFORMATION

| | |
|-------------------------------------|--|
| Principal Routes of Exposure | Eye contact, Skin contact, Ingestion, Inhalation |
|-------------------------------------|--|

Information on likely routes of exposure

| | |
|-------------------|--|
| Eyes | Corrosive to the eyes and may cause severe damage including blindness. |
| Skin | Causes burns. |
| Ingestion | Ingestion causes burns of the upper digestive and respiratory tracts. |
| Inhalation | May cause irritation of respiratory tract. |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--------------------------|--|
| Sensitization | Product is not identified as a sensitizer according to OSHA regulations. |
| Mutagenic effects | Product is not identified as a mutagen according to OSHA regulations. |
| Carcinogenicity | The table below indicates whether each agency has listed any ingredient as a carcinogen. |

| Chemical name | ACGIH | IARC | NTP | OSHA |
|-------------------|-------|---------|------------|------------|
| Hydrogen peroxide | A3 | Group 3 | Not Listed | Not Listed |

| | | | | |
|-----------|--|--|--|--|
| 7722-84-1 | | | | |
|-----------|--|--|--|--|

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - *Confirmed animal carcinogen with unknown relevance to humans*
IARC (International Agency for Research on Cancer)
Group 3 - *Not classifiable*

Reproductive Effects**STOT - single exposure****STOT - repeated exposure**

Product is not identified as having reproductive effects according to OSHA regulations.

May cause respiratory irritation. May cause drowsiness or dizziness.

Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.

Aspiration Hazard

Product is not identified as an aspiration hazard according to OSHA regulations.

Numerical measures of toxicity

If available, toxicity values of individual components are shown below.

| Chemical name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|----------------------------------|-------------------|-----------------------|---|
| Hydrogen peroxide 7722-84-1 | 500 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 0.17 mg/l vapour (49.3% H ₂ O ₂) |
| Acetic acid 64-19-7 | 3310 mg/kg (Rat) | 1060 mg/kg (Rabbit) | 11.4 mg/L (Rat) 4 h |
| Peracetic acid 79-21-0 | 85 mg/kg (Rat) | 56.1 mg/kg (Rabbit) | 0.204 mg/l (Rat) (mist) |
| Methane sulfonic acid 75-75-2 | = 380 mg/kg (Rat) | > 1000 mg/kg (Rabbit) | = 330 ppm (Rat) 6 h |

36% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

| Chemical name | Algae/aquatic plants | Fish | Microtox | Waterflea |
|----------------------------------|----------------------------|---|---|---|
| Hydrogen peroxide 7722-84-1 | No data available | 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50 | No data available | 18 - 32: 48 h Daphnia magna mg/L EC50 Static |
| Acetic acid 64-19-7 | > 300 mg/l | > 300 mg/l | EC50 = 8.8 mg/L 15 min EC50 = 8.8 mg/L 25 min EC50 = 8.8 mg/L 5 min | 65: 48 h Daphnia magna mg/L EC50 Static |
| Peracetic acid 79-21-0 | EC50 = 0.18-1.0 mg/l (48h) | LC50 = 0.9-2.0 mg/l (96h) | No data available | EC50 = 0.5-0.1 mg/l (48h) |
| Methane sulfonic acid 75-75-2 | No data available | 73: 96 h Oncorhynchus mykiss mg/L LC50 static | No data available | 12: 48 h Daphnia pulex mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

| | |
|-------------------------------|--|
| Waste Disposal Method | Should not be released into the environment. Dispose of in accordance with local regulations. |
| Contaminated Packaging | Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling, recovery or waste disposal. |

14. TRANSPORT INFORMATION**DOT**

| | |
|-----------------------------|---|
| UN-No | 3109 |
| Proper Shipping Name | Organic Peroxide, Type F, Liquid (Peracetic acid) |
| Hazard Class | 5.2 (8) |
| Packing Group | II |

15. REGULATORY INFORMATION**Superfund Amendments and Reauthorization Act of 1986 (SARA) - Section 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Peracetic acid (CAS# 79-21-0)

California Proposition 65 This product does not contain any Proposition 65 chemicals.

State Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|-------------------|----------------------|---------------------|
| Hydrogen peroxide 7722-84-1 | X | X | X |
| Acetic acid 64-19-7 | X | X | X |
| Peracetic acid 79-21-0 | X | X | X |
| Methane sulfonic acid 75-75-2 | X | Not Listed | Not Listed |

U.S. EPA Label information

EPA Pesticide registration number 4959-1-82882

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide label

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER: CORROSIVE. Causes irreversible eye damage and skin

burns. May be fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear overalls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, and gloves. Wear protective eyewear (goggles, face shield, or safety glasses). Remove contaminated clothing and wash clothing before reuse.

16. OTHER INFORMATION

Preparation Date: 02-Nov-2015

Revision Date: 07-Aug-2025

Revision Note: None

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS