



## SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product identifier:** Acetic Acid 3% v/v  
**Synonyms:** ACE01214F

**Global Contact:** Perrigo Company  
**Address:** 515 Eastern Avenue  
Allegan, MI 49010 USA

**Telephone number:** +1 269-673-8451  
**Emergency telephone:** +1 888-464-2986

**Australian Contact:** Perrigo Australia  
**Address:** 25-29 Delawney Street  
Balcatta, Western Australia 6021 Australia

**Telephone number:** +618 9441 7800  
**Emergency telephone:** +1 760-476-3962 Code 333304  
**Poisons Information Centre: 13 11 26**

**New Zealand Contact:** Orion Laboratories (NZ) Ltd  
**Address:** PO Box 781  
Whangaparaoa, New Zealand

**Telephone number:** +618 9441 7800  
**Emergency telephone:** +1 760-476-3962 Code 333304  
**National Poisons Centre: 0800 764 766**

**Recommended use:** Used to lower pH.  
**Restrictions on use:** None known.  
**HSNO Number:** Not applicable

### 2. HAZARD(S) IDENTIFICATION

**Classification:**

| Physical      | Health        |
|---------------|---------------|
| Not hazardous | Not hazardous |

**Label Elements**

**Not hazardous in accordance with the GHS.**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name | CAS No.   | Concentration | Substance Classification   |
|---------------|-----------|---------------|--|
| Acetic Acid   | 64-19-7   | 3% v/v        | Flammable Liquid 3 (H226)<br>Skin Corrosive 1A (H314)<br>Eye Damage 1 (H318) |
| Water         | 7732-18-5 | 97%           | Not Hazardous  |

The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

**Inhalation:** Remove victim to fresh air. If irritation occurs, get medical attention.

**Skin contact:** Rinse skin with water. If irritation develops, get medical attention. Launder clothing before reuse.

**Eye contact:** Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

**Ingestion:** Seek medical attention if irritation or other symptoms develop.

**Most important symptoms/effects, acute and delayed:** May cause mild eye and skin irritation. Swallowing may cause gastrointestinal irritation.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is not generally required.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Use any media that is suitable for the surrounding fire.

**Specific hazards arising from the chemical:** This product is not a fire hazard

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective clothing and equipment as described in Section 8. Caution – spilled liquid may present a slip hazard.

**Environmental Precautions:** Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

**Methods and materials for containment and cleaning up:** Collect liquid with an inert absorbent and place in appropriate container for disposal. Clean area thoroughly.

### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with eyes, skin and clothing. Wash hands after use.

**Conditions for safe storage, including any incompatibilities:** Store as indicated on product packaging.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines:

|             |   |
|-------------|---|
| Acetic Acid | 10 ppm TWA, 15 ppm STEL ACGIH TLV<br>10 ppm TWA, 15 ppm STEL AU OEL<br>10 ppm TWA, 15 ppm STEL NZ OEL |
|-------------|---|

**Appropriate engineering controls:** No special requirements. Use with adequate general or local exhaust ventilation to keep exposures below the exposure limits.

### Individual protection measures:

**Respiratory protection:** None needed under normal use conditions.

**Skin protection:** None required for normal use.

**Eye protection:** None required for normal use.

**Other:** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (physical state, color, etc.):** Clear, colourless liquid

**Odor:** Characteristic odor of acetic acid

|  |   |
|--|---|
| <b>Odor threshold:</b> 0.21-1 ppm (acetic acid)                    | <b>pH:</b> 2.4                                      |
| <b>Melting point/freezing point:</b> Not available                 | <b>Boiling Point:</b> ~100°C                        |
| <b>Flash point:</b> >150°C   | <b>Evaporation rate:</b> Not available              |
| <b>Flammability (solid, gas):</b> Not applicable                   | <b>VOC:</b> 3%                                      |
| <b>Flammable limits: LEL:</b> 4% (acetic acid)                     | <b>UEL:</b> 19.9% (acetic acid)                     |
| <b>Vapor pressure:</b> <1.5 kPa@20°C                               | <b>Vapor density:</b> 2.07 (air=1) (acetic acid)    |
| <b>Relative density:</b> 0.99-1.01@20°C                            | <b>Solubility(ies):</b> Completely soluble in water |
| <b>Partition coefficient: n-octanol/water:</b> -0.17 (acetic acid) | <b>Auto-ignition temperature:</b> None              |
| <b>Decomposition temperature:</b> Not available                    | <b>Viscosity:</b> Not available                     |

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** None known.

**Incompatible materials:** Avoid oxidizing agents.

**Hazardous decomposition products:** Thermal decomposition may yield carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Acute effects of exposure:

**Inhalation:** Inhalation of vapours or mists may cause minor irritation of the mucous membranes and upper respiratory tract.

**Ingestion:** No adverse effects are expected.

**Skin contact:** Contact may cause mild irritation. Acetic acid solutions have been tested in rabbits following OECD 404. 3.3% and 10% aqueous solutions were slightly irritating to rabbit skin.

**Eye contact:** Contact may cause mild irritation with redness and tearing. Acetic acid solutions have been tested in rabbits following OECD 405. 10% acetic acid was irritating, 3% did not meet the criteria.

**Chronic Effects:** No adverse effects are expected.

**Sensitization:** Components are not known to be sensitizers.

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**Germ Cell Mutagenicity:** None of the components have been shown to cause germ cell mutagenicity.

**Reproductive Toxicity:** None of the components have been shown to cause reproductive effects.

**Carcinogenicity:** None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, or ACGIH.

**Acute Toxicity Values:** Acetic acid: LD50 oral rat 3310 mg/kg; LC50 inhalation rat 40 mg/L/4h.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity values:** Acetic acid L(E)C50 >300 mg/L (fish, invertebrates and algae)

**Persistence and degradability:** Acetic acid is readily biodegradable.

**Bioaccumulative potential:** Acetic acid is not bioaccumulative.

**Mobility in soil:** No data is available.

**Other adverse effects:** None known.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended.

## 14. TRANSPORT INFORMATION

|      | UN Number | Proper shipping name | Hazard Class | Packing Group | Environmental Hazard |
|------|-----------|----------------------|--------------|---------------|----------------------|
| IMDG |           | Not Regulated        |              |               |                      |
| IATA |           | Not Regulated        |              |               |                      |
| ADG  |           | Not Regulated        |              |               |                      |

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known.

## 15. REGULATORY INFORMATION

**Safety, health, and environmental regulations specific for the product in question.**

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):** Not scheduled as solutions <30%.

**Australia Inventory:** All components are listed on AICS.

**New Zealand Inventory:** All components are listed on the New Zealand inventory.

## 16. OTHER INFORMATION

**SDS Revision History:** Revised SDS to comply with Code of Practice on the Preparation of Safety Data Sheets.

**Date of preparation:** October 15, 2019

**Date of last revision:** June 8, 2013

### **Full Text of GHS Classification and H Phrases from Section 3:**

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

### **List of Abbreviations or Acronyms:**

ACGIH American Conference of Industrial Hygienists

ADG Australian Dangerous Goods

AICS Australian Inventory of Chemical Substances

AU Australia

EC Effective Concentration

EU European Union

GHS Globally Harmonized System of Classification and Labelling of Chemicals

HSNO Hazardous Substances and New Organisms

IARC International Agency of Research on Cancer

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

LC Lethal Concentration

LD Lethal Dosage

LEL Lower Explosive Limit

NTP National Toxicology Program

NZ New Zealand

OEL Occupational Exposure Limits

US OSHA United States Occupational Safety and Health Administration

PEL Permissible Exposure Limit

SDS Safety Data Sheet

STEL Short Term Exposure Limit

TWA Time-Weighted Average

UEL Upper Explosive Limit

VOC Volatile Organic Compounds

WES Workplace Exposure Standards

WHS Work Health and Safety

**Disclaimer:** This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).