



**SAFETY DATA SHEET
EACO CHEM, INC.**

Issue Date: 12/01/15 **Revision Date:** 3/28/2022

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

Product Name: EF-FORTLESS

Recommended Use of the Mixture and Restrictions On Use:

Restricted To: For Professional Use Only

Uses Advised Against: Not Recommended for Household Use.

Details of the Supplier of the Safety Data Sheet

Manufacturers Address:

EaCo Chem, Inc.
765 Commerce Avenue
New Castle, PA 16101
724-656-1055

Emergency telephone number :

8:00 AM to 5:00 PM EST Monday-Friday 1-724-656-1055

Non-Business Hours (CHEM-TEL) 1-800-255-3924

2. HAZARDS IDENTIFICATION

2.1 Classification of Mixture

GHS Classification HCS 2012 (29 CFR 1910)

| Hazard Class | Category | Hazard Statements | Precautionary Statements |
|-----------------------------|------------|-------------------|--|
| Skin Corrosion / Irritation | Category 2 | H315 | P264, P280, P270 P303+P362+P352, P363, P314 |
| Eye Damage / Irritation | Category 2 | H319 | P280, P305+P352+P338, P315 |

2.2 Label Elements HCS 2012 (29 CFR 1910)

PICTOGRAMS



Signal Word: WARNING

Hazard Statements:

| Hazard # | Hazard Statement |
|----------|-------------------------------|
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |

Precautionary Statements:

| Precautionary # | Precautionary Statement |
|-----------------|---|
| P202 | Do not handle until all safety precautions have been read and understood. |
| P273 | Avoid release to the environment. |
| P501 | Dispose of contents/container according to federal, state & local regulations. |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P303+P362+P352 | IF ON SKIN (or hair):Take off contaminated clothing. Wash with plenty of water/... |
| P305+P352+P338 | IF IN EYES: Wash with plenty of water/Remove contact lenses, if present and easy to do. Continue rinsing. |
| P314 | Get medical advice/attention if you feel unwell. |
| P315 | Get immediate medical advice/attention. |
| P363 | Wash contaminated clothing before reuse. |

2.3 Hazards Not Otherwise Classified (HNOC):

Other Information

3. COMPOSITION/INFORMATION ON MIXTURES

Hazardous Components

| Chemical name | CAS number | % | Trade secret |
|-------------------|--------------|---------|--------------|
| Hydrochloric Acid | 7647-01-0 | 3-8 | * |
| Balance | Trade secret | Balance | * |

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

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.
Remove contaminated clothing.

If inhaled

If breathed in, move person to fresh air. If irritation persists, call a physician. If not breathing, give artificial respiration.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Wash clothes before reuse. If irritation persists, call a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician immediately.

If swallowed

Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed:

No data available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Use any means suitable for extinguishing surrounding fire.

5.2 Special hazards arising from the substance or mixture:

Not considered to be a fire or explosion hazard.

5.3 Advice for firefighters:

Use protective clothing and NIOSH-approved breathing equipment appropriate for the surrounding fire if needed.

5.4 Further information:

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk and avoid run off to waterways or storm drains.

6.2 Environmental precautions:

Do not let product enter waterways or storm drains.

6.3 Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and prepare for disposal. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Wear all appropriate Personal Protective Equipment (PPE). Vapors may accumulate in confined or poorly ventilated areas so ensure adequate ventilation at all times. If ventilation is not possible wear respiratory protection. Use the product in a manner which minimizes splashes. Keep container closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Regulatory Requirements: No data found

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

Ventilation Control: Provide adequate ventilation to control airborne concentration. In case of insufficient ventilation, wear suitable respiratory equipment.

Administrative controls: Educate and train employees in safe use of this product. Follow all label warnings and data sheet instructions.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection: Close fitting safety goggles. Face Protection shield if needed.

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory Protection: If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance Form: Liquid, Amber color
- b) Odor: Mild odor
- c) Odor Threshold: Not Determined.
- d) pH: 2.0
- e) Melting point/freezing point: No data available
- f) Initial boiling point and boiling range: > 100 °C (> 212 °F) - lit.
- g) Flash point: No data available
- h) Evaporation rate: No data available
- i) Flammability (solid, gas): Not applicable
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: 1.08 g/cm³ at 25 °C (77 °F)
- n) Water solubility: Fully Miscible
- o) Auto-ignition temperature: No data available
- p) Decomposition temperature: No data available
- q) Viscosity: Water thin
- r) Explosive properties: Product does not present an explosion hazard
- s) Oxidizing properties: No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No data available

10.4 Conditions to avoid: High heat

10.5 Incompatible materials: Strong alkali and oxidizing compounds

10.6 Hazardous decomposition products: No data available

10.7 Other decomposition products: No data available

10.8 Other Information: In the event of fire: See section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information:

Inhalation: May be harmful if inhaled

Ingestion: Harmful if swallowed

Eyes: Causes irritation and possible damage if left untreated.

Skin: Causes irritation with prolonged contact.

Germ cell mutagenicity: No data available

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data available

12.2 Persistence and Degradability: No data available

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Other Adverse Ecological Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Method: If possible, recover product for intended use.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Empty Container Precautions: No data available.

Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US) Classification: Not regulated for transport.

DOT (US) Information: Not dangerous goods.

Important Note: *This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume or may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulation, and rules relating to the transportation of this material.*

15. REGULATORY INFORMATION

This listing is to highlight federal level regulations of the product. Individual states, and other nations may have further regulations not listed below.

Classification of Mixture:

US Federal Regulations:

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical Name | CAS NO |
|-------------------|-----------|
| Hydrochloric Acid | 7647-01-0 |

SARA 311/312 Hazard Categories:

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

US State Right-to-Know Regulations:

| Chemical Name | PA | MA | NJ |
|-------------------|----|----|----|
| Hydrochloric Acid | X | X | X |

16. OTHER INFORMATION

HMIS® Hazard Ratings:

| | |
|---------------------|----|
| HEALTH | 1 |
| FIRE | 0 |
| REACTIVITY | 1 |
| PERSONAL PROTECTION | B* |

4 = EXTREME / 3 = HIGH / 2 = MODERATE / 1 = SLIGHT / 0 = INSIGNIFICANT

*B: Chemical resistant gloves and goggles.

Disclaimer: The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot be sure or guarantee these are the only hazards which exist.

END OF SDS