

SAFETY DATA SHEET
HERTZ FERMIX PH-01 ACID 8 N
Liquid acidity regulator

Date: 01.09.2026

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1. IDENTIFICATION OF THE PRODUCT AND OF THE MANUFACTURER OR SUPPLIER

Commercial name	HERTZ FERMIX PH-01 ACID 8 N
Product code	PH-01
Product type	Liquid acidity regulator
Identified use	Processing preparation for professional use in food production.
Manufacturer / supplier	REAX Limited Liability Company (REAX LLC)
Legal address	86A Obukhovskoy Oborony Ave., Saint Petersburg, 192029, Russian Federation
Contact details	info@reaxgroup.ru; https://hrtz.store
Emergency telephone	112; regional poison centre
Product standard	STO REAX LLC 93355948-001-2025

2. HAZARDS IDENTIFICATION

Classification	Skin corrosion, Category 1B
Signal word	Danger
Pictograms	GHS05
Hazard statements	H314: Causes severe skin burns and eye damage.
Precautionary statements	P260: Do not breathe mist or spray. P280: Wear protective gloves, protective clothing and eye/face protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN: Take off contaminated clothing. Rinse skin with water. P305+P351+P338: IF IN EYES: Rinse cautiously with water; remove contact lenses if easy to do. P310: Immediately call a POISON CENTER or doctor.
Other hazards	No other hazards requiring specific identification have been identified.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization	Food-processing preparation. Only ingredients relevant to hazard classification and safe handling are listed below.
Hazard-relevant ingredients	Lactic acid - Skin Corr. 1B, H314.
CAS / EC	CAS 50-21-5
Exposure limit	No product-specific exposure limit has been established.

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4. FIRST-AID MEASURES

Inhalation	Move to fresh air. If coughing, irritation or breathing difficulty occurs, obtain immediate medical attention.
Skin contact	Immediately remove contaminated clothing. Rinse with plenty of water for at least 15 minutes. Obtain urgent medical attention.
Eye contact	Immediately rinse with water for at least 20 minutes while holding eyelids open. Remove contact lenses if easy to do. Obtain urgent medical attention.
Ingestion	Rinse mouth. Do not induce vomiting. Do not administer neutralizing agents. Obtain immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog, foam, dry powder or CO ₂ , as appropriate for the surrounding fire.
Unsuitable extinguishing media	Do not use a solid water jet that may disperse dust or spread the product.
Specific hazards	Non-combustible liquid; heating or contact with incompatible materials may generate corrosive vapours and splashes.
Protective equipment for firefighters	Wear self-contained breathing apparatus and full protective clothing in a fire.

6. ACCIDENTAL RELEASE MEASURES

Isolate the area and provide ventilation. Wear chemical-resistant gloves, goggles/face shield and protective clothing. Stop the leak if safe to do so. Absorb with inert material and collect in a compatible labelled container. Neutralization may only be performed by trained personnel with temperature and pH control. Prevent entry into drains and surface waters.

7. HANDLING AND STORAGE

Safe handling	Use with adequate ventilation. Do not eat, drink or smoke in the work area. Avoid eye contact and prolonged skin contact. Transfer slowly while protecting the face; when diluting, add the product to water in small portions with stirring.
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Storage conditions	Store in tightly closed compatible original packaging in a cool, well-ventilated place, protected from sunlight and freezing. Prevent unauthorized access. Store away from alkalis, active metals, hypochlorites and oxidizers.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	General ventilation; local exhaust where dust, concentrate transfer or aerosol formation may occur.
Respiratory protection	For mist or aerosol, use respiratory protection selected by risk assessment; use self-contained breathing apparatus in an emergency.
Hand protection	Chemical-resistant gloves after checking material compatibility and breakthrough time.
Eye/face protection	Chemical goggles and face shield.
Skin protection and hygiene	Acid- or alkali-resistant protective clothing; emergency shower and eyewash station must be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Appearance	Clear colourless to pale-yellow liquid.
Odour	Weak characteristic odour of the raw materials.
pH	Strongly acidic; approximately pH <1.
Solubility	Mixes, dissolves or disperses in water depending on the functional ingredients.
Flash point	Not applicable; the product is not a flammable liquid.
Explosive properties	Not established.

10. STABILITY AND REACTIVITY

Chemical stability	Stable in closed packaging under the stated storage and handling conditions.
Possibility of hazardous reactions	Hazardous polymerization is not expected. Reactions may occur on contact with incompatible materials.
Conditions to avoid	Moisture, excessive heat and direct sunlight; for powders, dust formation and ignition sources.
Incompatible materials	Alkalis, active metals, hypochlorites and strong oxidizing agents.

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Hazardous decomposition products	Carbon oxides; contact with some metals may release hydrogen.
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11. TOXICOLOGICAL INFORMATION

Test data for the finished mixture are limited; the assessment is based on known ingredient properties. Direct contact causes chemical burns to skin and eyes; ingestion may burn mucous membranes and the gastrointestinal tract.

12. ECOLOGICAL INFORMATION

A large release may sharply change water pH and harm aquatic organisms. Do not discharge concentrate without authorized neutralization and pH control.

13. DISPOSAL CONSIDERATIONS

Transfer to an authorized waste contractor. Neutralization may only be performed by trained personnel under an approved procedure with temperature and pH control. Do not discharge concentrate to drains.

14. TRANSPORT INFORMATION

UN number	UN 3265
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (lactic acid)
Class / packing group	8 / III
Environmental hazards	No

15. REGULATORY INFORMATION

GHS label elements	Pictograms: GHS05; signal word: Danger.
H- / EUH-statements	H314: Causes severe skin burns and eye damage.
Precautionary statements	P260: Do not breathe mist or spray. P280: Wear protective gloves, protective clothing and eye/face protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN: Take off contaminated clothing. Rinse skin with water. P305+P351+P338: IF IN EYES: Rinse cautiously with water; remove contact lenses if easy to do. P310: Immediately call a POISON CENTER or doctor.
Regulatory references	GOST 30333-2007 (in force on the issue date); GOST 30333-2022 (adopted, effective in the Russian Federation from 1 September 2027); GOST 32419-2022; GOST 32423-2013; GOST 32425-2013; GOST 31340-2022; TR CU 021/2011 and TR CU 029/2012 where applicable.

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Technical documentation

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16. OTHER INFORMATION

The information contained in this Safety Data Sheet is believed to be true and reliable as of the issue date. However, its accuracy, completeness and any recommendation or suggestion are provided without additional obligation or warranty. Since conditions of use are beyond the manufacturer's control, the user is responsible for determining conditions for safe handling of the product. This Safety Data Sheet is not an analytical product specification; quality parameters and specifications are provided in the product technical data sheet and certificate of analysis.

The form and section sequence of this Safety Data Sheet follow ISO 11014:2009, confirmed by ISO in 2025, and GOST 30333-2007, which is in force in the Russian Federation on the issue date. The adopted subsequent edition GOST 30333-2022, effective in the Russian Federation from 1 September 2027, has also been considered. For international structure, Annex II to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878, has been taken into account.

Approval date 01.09.2026

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