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

Commercial name	HERTZ PROTECTIS PR-05 WHITE REDOX
Product code	PR-05
Product type	Dry protective preparation
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	Serious eye damage, Category 1
Signal word	Danger
Pictograms	GHS05
Hazard statements	H318: Causes serious eye damage. EUH031: Contact with acids liberates toxic gas - sulphur dioxide.
Precautionary statements	P280: Wear protective gloves and eye/face protection. 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. P271: Use only with adequate ventilation; do not mix with acids.
Other hazards	Dust may mechanically irritate the eyes and respiratory tract; organic powders may form a combustible dust-air mixture.

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	Potassium metabisulphite - Eye Dam. 1, H318; EUH031. Concentrated grades are also Acute Tox. 4, H302.
CAS / EC	CAS 16731-55-8
Exposure limit	No product-specific exposure limit has been established.

4. FIRST-AID MEASURES

Inhalation	Move to fresh air. In case of coughing, bronchospasm or breathing difficulty, obtain urgent medical attention, particularly for persons with asthma or sulphite sensitivity.
Skin contact	Remove contaminated clothing and wash skin with soap and water. Obtain medical advice if irritation occurs.
Eye contact	Immediately rinse with water for at least 20 minutes. Remove contact lenses if easy to do. Obtain urgent medical attention.
Ingestion	Rinse mouth and give a small amount of water. Do not induce vomiting. Obtain medical advice if unwell.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog, foam, dry powder or CO2, 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	A dust-air mixture of organic ingredients may ignite. Prevent dust dispersion and eliminate ignition sources. Heating or contact with acids may release SO2 and sulphur oxides.
Protective equipment for firefighters	Wear self-contained breathing apparatus and full protective clothing in a fire.

6. ACCIDENTAL RELEASE MEASURES

Avoid generating dust. Do not use compressed air or dry sweeping. Collect with an industrial vacuum fitted with an effective filter or carefully transfer mechanically into a closed container; remove residues by a wet method. Isolate from acids and ventilate because of the risk of SO2 release.

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. Add without generating dust; do not use compressed air. Where significant organic dust may form, ground equipment and eliminate ignition sources. Do not mix with acids outside a controlled process and do not work in an unventilated enclosed vessel.

Storage conditions	Store in tightly closed original packaging in a cool, dry, well-ventilated place. Protect from moisture, direct sunlight, heat and unauthorized access. Store away from acids, oxidizers and moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	General ventilation; local exhaust where dust, concentrate transfer or aerosol formation may occur.
Respiratory protection	Use P2/P3 for dust. Where SO2 may be released, air monitoring and a suitable gas filter selected by risk assessment are required; a particulate filter does not protect against SO2.
Hand protection	Protective gloves; nitrile gloves for prolonged contact.
Eye/face protection	Tight-fitting goggles; add a face shield where splashing may occur.
Skin protection and hygiene	Work clothing; wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Powder or fine granules
Appearance	Homogeneous dry powder or fine granules; colour according to product specification.
Odour	Weak characteristic odour of the raw materials.
pH	Not applicable to the dry product; pH of an aqueous suspension is according to product specification.
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	Quantitative dust-explosion parameters have not been established; avoid dust clouds.

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. Contact with acids and high temperature.
Incompatible materials	Acids, oxidizing agents, hypochlorites and nitrites.
Hazardous decomposition products	Fire may generate carbon and nitrogen oxides; decomposition products depend on the ingredients. SO2 and sulphur oxides may be released.

11. TOXICOLOGICAL INFORMATION

Test data for the finished mixture are limited; the assessment is based on known ingredient properties. Sulphite dust, aerosol and SO2 irritate the respiratory tract; bronchospasm may occur in persons with asthma or sulphite sensitivity. The concentrate can cause serious eye damage. Dust may mechanically irritate the eyes, skin and upper respiratory tract.

12. ECOLOGICAL INFORMATION

In water, sulphites oxidize to sulphates and may reduce dissolved oxygen. Prevent large releases of concentrate.

13. DISPOSAL CONSIDERATIONS

Collect separately and do not mix with acidic waste. Treatment or oxidation must follow an approved local procedure. Dispose of packaging after complete emptying and safe cleaning.

14. TRANSPORT INFORMATION

UN number	Not assigned
Road / rail transport	Not classified as dangerous goods.
Sea transport	Not classified as dangerous goods.
Air transport	Not classified as dangerous goods.

15. REGULATORY INFORMATION

GHS label elements	Pictograms: GHS05; signal word: Danger.
H- / EUH-statements	H318: Causes serious eye damage. EUH031: Contact with acids liberates toxic gas - sulphur dioxide.
Precautionary statements	P280: Wear protective gloves and eye/face protection. 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. P271: Use only with adequate ventilation; do not mix with acids.

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.
Technical documentation	STO REAX LLC 93355948-001-2025

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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РОССИЙСКАЯ ФЕДЕРАЦИЯ
ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ «РЕАКС»
ИНН 2370017732 КПП 237001001 ОГРН 1252300064004
ДЛЯ ДОКУМЕНТОВ
Г. САНКТ-ПЕТЕРБУРГ