

SAFETY DATA SHEET

GRAVITY PRE-WASH

SECTION 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

1.1 Product Identifier

Product name: GRAVITY PRE-WASH

UFI: J800-F0T4-N001-T1D4

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: cleaner

Uses advised against: not specified.

1.3 Manufacturer:

Company:

FX International Sp. z o.o.

ul. Mikołowska 65

44-203 Rybnik

E-mail address of the person responsible for developing the safety data sheet: dokumentacja@fxprotect.pl

Emergency telephone number

Emergency : 112

SECTION 2. HAZARDS IDENTIFICATIONS

2.1 Classification of the substance or mixture

Hazards	CLP Classification - Regulation (EC) No 1272/2008
Physical hazards	-
Health hazards	Skin Corr 1, H314
Environmental	-

2.2 Label elements

Hazards pictograms:



Signal word: DANGER

Hazard statements:

H314: Causes severe skin burns and eye damage

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

P260: Do not breathe spray.

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P264: Wash hands thoroughly after handling.

P280: Wear protective gloves.

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P501: Dispose of contents/ container in accordance with local regulation.

Contains sodium hydroxide

Contains EDTA (5% or more but less than 15%), non-ionic surfactants (5% or more but less than 15%) anionic surfactants (less than 5%), fragrance (LIMONENE, CITRAL, ALPHA-PINENE).

2.3. Other hazards

The product does not meet the criteria for PBT or vPvB according to Annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Substances

COMPONENT	CAS-No	WE-No	Index-No/ REACH-No	Concentration	Classification 1272/2008 (CLP)
EDTA	60-00-4	200-449-4	607-429-00-8	3-6%	Eye Irrit. 2; H319
D-glucopyranose, oligomers, decyl and octyl glucosides	68515-73-1	500-220-1	-	<5%	Eye Dam.1, H318
Alcohols, C12-C13 ethoxylated	160901-19-9	931-954-4	-	<5%	Acute Tox. 4, H302 Eye Dam. 1 H318 Aquatic Chronic 3 H412
Sodium hydroxide	1310-73-2	215-185-5	011-002-00-6	<5%	Skin Corr 1, H314 Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %

Full text of Hazard Statements: see section 16

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide

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artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: The product is intended for skin disinfection. In case of worrying symptoms, contact a doctor. In case of prolonged contact, redness, drying, cracking of the skin, degreasing is possible.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

Ingestion: Give hen egg white to drink, possibly milk; otherwise, do not give anything by mouth. Do not give any neutralizing (acidic) agents. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of acute poisoning: in the form of dust, steam or aerosol, it causes pain and watery eyes, burning sensation in the nose and throat, coughing and choking.

Contamination of the skin causes pain, redness, chemical burns: blisters, necrosis. Extensively Contamination of the skin may cause shock, collapse.

Eye contamination with dust or solution causes destruction of the eye protective apparatus, burns of the eyeball - the cornea and deeper structures of the eye.

By ingestion, it causes burns of the oropharyngeal mucosa and further parts of the gastrointestinal tract with the risk of wall damage, perforation, haemorrhage, shock and death.

Symptoms of chronic poisoning: repeated or long-term exposure may cause dermatitis, atrophic changes in the mucosa of the upper respiratory tract (damage to the nasal septum).

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

Consult a physician. Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide, dry chemical powders, sand or earth, water fog. Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media: Water jet.

5.2 Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products)

As a result of thermal decomposition or combustion, carbon oxides and other toxic gases and vapors may be released.

5.3. Advices for firefighters

Containers in the fire area should be cooled with a dispersed water jet, if possible removed from the danger area. In the case of fire in a closed room, wear protective clothing and a compressed air breathing apparatus. Do not allow extinguishing water to get into surface water, ground water and sewage system.

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6.1 Personal precautions, protective equipment and emergency procedures

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.2 Environmental precautions:

Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent spreading and disposal by mechanical collection. Collect the residue with non-combustible absorbent material (sand, sawdust, diatomaceous earth, universal absorbent). Place contaminated material in properly labeled containers for disposal in accordance with applicable regulations.

6.4 Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use in well ventilated areas. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors of the hot product. Avoid hot areas and open flames near the product. Work in accordance with the principles of health and safety: do not eat, drink and smoke in work areas, wash hands after use, remove contaminated clothing and protective equipment before entering places intended for eating.

7.2 Conditions for safe storage, including any incompatibilities

Store at cool, dry, well ventilated place in a properly labeled and tightly closed original container. Avoid direct sunlight and heat sources, hot surfaces and open flame. If repacking is necessary, make sure the new packaging is appropriate for the type of product.

7.3 Specific end use

Follow the instructions for use.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Substancja	NDS [mg/m ³]	NDSCh [mg/m ³]
Sodium hydroxide	0,5 mg/m ³	1 mg/m ³

8.2 Exposure controls

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Engineering control measures: General room ventilation is recommended.

Eye protection: Use safety glasses in accordance with EN166.

Hand and skin protection:

Hand protection: Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a considerable reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

Other: Wear protective clothing - wash regularly.

Respiratory protection: Avoid breathing product vapors. In case of inadequate ventilation or in the conditions where the NDS is exceeded, use individual respiratory protection, a mask or half-mask complete with A-P2 filter and vapor absorber.

Environmental exposure controls: Do not allow to spread in the environment and enter drains and watercourses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	colorless
Odor	characteristic
Ph	not available
Boiling point	not available
Flash point	not available
Evaporation rate	not available
Lower and upper explosive(flammable) limits	not available
Density	not available
Vapor pressure	not available
Vapor density	not available
Relative density	not available
Solubility	not available
Partition coefficient: n-octanol/water	not available

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Auto-ignition temperature

not available

9.2 Other information

No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

None known, based on information available.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Stable under normal conditions

10.4 Conditions to avoid

None known, based on information available.

10.5 Incompatible materials

Strong oxidants, strong acids, bases, metals

10.6 Hazardous decomposition products

None under normal use conditions

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: no data available

Skin corrosion/irritation: Causes severe skin burns and eye damage

Eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Harmful effect on reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Sodium Hydroxide:

- Acute toxicity (LC50 / 96 h) to fish - *Gambusia affinis* 125 mg / l

- Acute toxicity (EC50 / 48 h) to crustaceans - *Daphnia* sp. 100 mg / l

- Inhibition of algae growth (LC50 / 72 h) - no data available

- Inhibition of bacterial colony growth - no data available

12.2 Persistence and degradability

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The product is biodegradable.

12.3 Bioaccumulative potential

No bioaccumulative potential

12.4 Mobility in soil

The product is completely soluble in water, it penetrates soil and groundwater.

12.5 Results of PBT and vPvB assessment

No data available for assessment

12.6 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number: 1824

14.2 UN proper shipping name: SODIUM HYDROXIDE SOLUTION

14.3 Transport hazard class(es):8

14.4 Packing group: III

14.5 Environmental hazards: No

14.6 Special precautions for user:

Transport category: 3

Tunnel restriction code: E.

Wear personal protective equipment in accordance with section 8 when handling the load.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures(CLP).
- REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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- COMMISSION REGULATION (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this/these products

SECTION 16. OTHER INFORMATION

Abbreviations and acronyms in the Safety Data Sheet

NDS - The highest allowable concentration at the workplace.

NDSCh - Maximum allowable instantaneous concentration.

vPvB - very Persistent, very Bioaccumulative (substance)

PBT - Persistent, bioaccumulative, and toxic (substance)

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

RID Regulations concerning the International carriage of Dangerous Goods by Rail

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

Hazard statements:-

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP):
calculation method

Advice on training for employees:

Employees who use the product should be trained on risks for health, hygiene, use of individual protection, accident preventive actions, rescue actions, etc.,

This MSDS is not a quality certificate for the product. All data presented in this sheet are to be taken only as a help in safe handling in transport, distribution, use and storage. Persons handling the product should be informed about risks and precautionary measures. Information in the Safety Data Sheet relates to the above mentioned product and its specified uses only. They may be obsolete or insufficient for this product used in conjunction with other materials or in different applications than those specified in the Safety Data Sheet. The user is obliged to follow all applicable standards and regulations and is also responsible for inappropriate use of information contained in this sheet or for an inappropriate use of the product. In the case of special applications evaluate exposure and develop the appropriate procedure and training programs in order to ensure safety at work.