

**Safety Data Sheet according to Reg. (EC) n.1907/2006 (REACH) -  
OLDO PLUS**

Safety Data Sheet dated 13/10/2023, version 2 ( replaces version 1 )

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

## 1.1. Product identifier

Mixture identification:

Trade name:

**OLDO PLUS**

Trade code:

G10-007 / 008

UFI:

RJ72-W0NJ-900X-FYDG

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

Recommended use:

Complete alkaline liquid detergent for fabrics. For professional use

Products categories: PC35 - washing and cleaning products. This category includes water and solvent based products.

Use at industrial sites (IS). Widespread use by professional workers (PW).

Uses advised against:

Do not use for purposes other than those indicated.

## 1.3. Details of the supplier of the safety data sheet

Company:

**G.B.M. ELETTROCHIMICA s.r.l.**

Via Fiumicino San Mauro, 120/130 - 47039 – Savignano Sul Rubicone (FC) Italy

tel +39 0541 930058

**e-mail:** [gbm@gbmprodottichimici.it](mailto:gbm@gbmprodottichimici.it)**web site:** [www.gbmprodottichimici.it](http://www.gbmprodottichimici.it)

## 1.4. Emergency telephone number

+39 0541-930058 (Office Time)

**SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Met. Corr. 1, H290 May be corrosive to metals.

Skin Corr. 1A, H314 Causes severe skin burns and eye damage.

Eye Dam. 1, H318 Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

## 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P280 Wear protective gloves and eye/face protection.

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.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 In case of malaise, contact a POISON CENTRE/doctor.

P390 Absorb spillage to prevent material damage.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

Ethoxylated alcohol

sodium hydroxide; caustic soda

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards:

No other hazards

**SECTION 3: Composition/information on ingredients**








3.1. Substances

N.A.

3.2. Mixtures

Ingredients according to EC Detergents Regulation 648/2004:

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 5\%$ - $< 10\%$	Ethoxylated alcohol	CAS: 69011-36-5	 3.3/1 Eye Dam. 1 H318  3.1/4/Oral Acute Tox. 4 H302
$\geq 1\%$ - $< 5\%$	sodium hydroxide; caustic soda	Index number: CAS: 1310-73-2 EC: 215-185-5 REACH No.: 01- 2119457892- 27-XXXX	 2.16/1 Met. Corr. 1 H290  3.2/1A Skin Corr. 1A H314  3.3/1 Eye Dam. 1 H318 Specific Concentration Limits: $C \geq 5\%$ : Skin Corr. 1A H314 $2\% \leq C < 5\%$ : Skin Corr. 1B H314 $0,5\% \leq C < 2\%$ : Skin Irrit. 2 H315 $0,5\% \leq C < 2\%$ : Eye Irrit. 2 H319
$\geq 1\%$ - $< 5\%$	Fatty acids, coco, potassium salt	CAS: 61789-30-8 EC: 263-049-9	 3.3/2 Eye Irrit. 2 H319  3.2/2 Skin Irrit. 2 H315

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

#### 4.2. Most important symptoms and effects, both acute and delayed

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

#### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

#### 6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

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- 6.4. Reference to other sections  
See also section 8 and 13

#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities  
Store the product only in its original closed containers, in a cool, dry and well-ventilated areas at temperatures below 0 °C and not higher than 40 °C.  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.
- 7.3. Specific end use(s)  
None in particular

#### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters  
sodium hydroxide; caustic soda - CAS: 1310-73-2  
ACGIH - STEL: Ceiling 2 mg/m<sup>3</sup>
- DNEL Exposure Limit Values  
sodium hydroxide; caustic soda - CAS: 1310-73-2  
Consumer: 1 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects - Endpoint: Irritation (respiratory tract) - Notes: ECHA  
Worker Professional: 1 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects - Endpoint: Irritation (respiratory tract) - Notes: ECHA
- PNEC Exposure Limit Values  
N.A.
- 8.2. Exposure controls
- Eye protection:  
Eye glasses.
- Protection for skin:  
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
- Protection for hands:  
Use protective gloves resistant to chemicals. The choice of hand PPE must be made on the basis of its better resistance to chemical agents, taking into account the results of tests obtained in accordance with EN 374 Because of the great diversity of types, you should follow the instructions of the manufacturers. Suitable materials for short contact (recommended: at least protection index 2, corresponding to > 30 minutes permeation time according to EN 374). Butyl rubber - 0.7 mm thick. Suitable materials for direct and prolonged contact (recommended: protection index 6, corresponding to > 460 minutes of permeation time according to EN 374) nitro-caoutchouc (NBR) - 0.4 mm thick.
- Respiratory protection:

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Not needed for normal use.  
 Thermal Hazards:  
 None  
 Environmental exposure controls:  
 None  
 Appropriate engineering controls:  
 None

**SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	light straw-yellow	--	--
Odour:	CHARACTERISTIC	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	Non-flammable	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	13	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	COMPLETE	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1.03 ± 0.05kg/l	--	--
Relative vapour density:	N.A.	--	--

## Particle characteristics:

Particle size:	N.A.	--	--
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## 9.2. Other information

Properties	Value	Method:	Notes
Explosive properties:	ABSENT	--	--
Miscibility:	MISCIBLE	--	--
Oxidizing properties:	ABSENT	--	--

**SECTION 10: Stability and reactivity**

## 10.1. Reactivity

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- Stable under normal conditions
- 10.2. Chemical stability  
The product is stable under normal conditions of use and storage.
- 10.3. Possibility of hazardous reactions  
It may generate flammable gases on contact with halogenated organic substances, and elementary metals.
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
Do not mix with acids, oxidizing and / or reducing agents. Aluminum, light metals.  
Avoid contact with acids.
- 10.6. Hazardous decomposition products  
Under normal conditions of storage and use, are not known hazardous decomposition products.

**SECTION 11: Toxicological information**

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

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- a) acute toxicity  
Not classified  
No data available for the product
- b) skin corrosion/irritation  
The product is classified: Skin Corr. 1A H314
- c) serious eye damage/irritation  
The product is classified: Eye Dam. 1 H318
- d) respiratory or skin sensitisation  
Not classified  
No data available for the product
- e) germ cell mutagenicity  
Not classified  
No data available for the product
- f) carcinogenicity  
Not classified  
No data available for the product
- g) reproductive toxicity  
Not classified  
No data available for the product
- h) STOT-single exposure  
Not classified  
No data available for the product
- i) STOT-repeated exposure  
Not classified  
No data available for the product
- j) aspiration hazard  
Not classified  
No data available for the product

Toxicological information of the main substances found in the product:

Ethoxylated alcohol - CAS: 69011-36-5

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 300-2000 mg/kg bw
- c) serious eye damage/irritation:

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- Route: Eyes - Species: Rabbit Positive  
sodium hydroxide; caustic soda - CAS: 1310-73-2
- b) skin corrosion/irritation:  
Test: Skin Corrosive Yes - Causes severe skin burns
- c) serious eye damage/irritation:  
Test: Eye Corrosive Yes - Causes serious eye damage  
Fatty acids, coco, potassium salt - CAS: 61789-30-8
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
- b) skin corrosion/irritation:  
Positive - Source: N.A. - Causes skin irritation
- c) serious eye damage/irritation:  
Positive - Source: N.A. - Causes serious eye damage

## 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq$  0.1%**SECTION 12: Ecological information**

## 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

sodium hydroxide; caustic soda - CAS: 1310-73-2

## a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 2 180 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia = 40.4 mg/l - Duration h: 48 - ECHA

Fatty acids, coco, potassium salt - CAS: 61789-30-8

## a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish &gt; 1 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia &gt; 1 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae &gt; 1 mg/l - Duration h: 48

## 12.2. Persistence and degradability

None

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Biodegradability: The product contains only readily biodegradable surfactants meet the criteria laid down in Regulation detergents EU (EC/648/2004).

Fatty acids, coco, potassium salt - CAS: 61789-30-8

Biodegradability: Biodegradable

## 12.3. Bioaccumulative potential

Fatty acids, coco, potassium salt - CAS: 61789-30-8

Bioaccumulation: Not bioaccumulative

## 12.4. Mobility in soil

N.A.

## 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

## 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq$  0.1%

## 12.7. Other adverse effects

None

**SECTION 13: Disposal considerations**

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## 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

**SECTION 14: Transport information**

## 14.1. UN number or ID number

ADR-UN number: 3266  
RID-UN Number: 3266  
ADN-UN Number: 3266  
IATA-Un number: 3266  
IMDG-Un number: 3266

## 14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE INORGANIC LIQUID, BASIC, N.O.S. (mixture containing sodium hydroxide)  
IATA-Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide)  
IMDG-Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide)

## 14.3. Transport hazard class(es)

ADR-Class: 8  
ADR-Label: 8  
ADR - Hazard identification number: 80  
RID-Class: 8  
ADN-Class: 8  
IATA-Class: 8  
IATA-Label: 8  
IMDG-Class: 8

## 14.4. Packing group

RID-Packing Group: III  
ADN-Packing Group: III  
ADR-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III

## 14.5. Environmental hazards

Marine pollutant: No  
ADN-Environmentally hazardous in tank-vessels:

## 14.6. Special precautions for user

ADR-Transport category (Tunnel restriction code): E  
IMDG-Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide)

## 14.7. Maritime transport in bulk according to IMO instruments

N.A.

**SECTION 15: Regulatory information**

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

Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) n. 2020/878  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)



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Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)  
 Regulation (EU) n. 605/2014 (ATP 6 CLP)  
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
 Regulation (EU) n. 2016/918 (ATP 8 CLP)  
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
 Regulation (EU) n. 2017/776 (ATP 10 CLP)  
 Regulation (EU) n. 2018/669 (ATP 11 CLP)  
 Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
 Regulation (EU) n. 2019/521 (ATP 12 CLP)  
 Regulation (EU) n. 2020/217 (ATP 14 CLP)  
 Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
 Regulation (EU) n. 2021/643 (ATP 16 CLP)  
 Regulation (EU) n. 2021/849 (ATP 17 CLP)  
 Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

**SECTION 16: Other information**

Full text of phrases referred to in Section 3:

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Met. Corr. 1, H290	On basis of test data
Skin Corr. 1A, H314	Calculation method
Eye Dam. 1, H318	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

EC DIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.