Revision nr. 2
Dated 22/05/2023
Replaced revision:1 (Dated: 05/04/2017)

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code:	[WMP600] 488000625755
Product name	Laundry powder detergent for professional result
UFI :	G300-F04S-500F-A74M

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

Intended use	Powder detergent for laundry in the washing machine

1.3. Details of the supplier of the safety data sheet

Name	Beko Italy Manufacturing Srl
Full address	Via Varesina, 204
District and Country	20156 Milano – Italy
e-mail address of the competent person responsible for the Safety Data Sheet	sds@dgsasrl.it

1.4. Emergency telephone number

For urgent inquiries refer to	ENGLAND, SCOTLAND (NHS 24) WALES (NHS Direct Wales) - For medical advice contact 111

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Serious eye damage, category 1	H318	Causes serious eye damage.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.
Hazard pictograms:

Signal words:	Danger
Hazard statements:	
H318	Causes serious eye damage.
Precautionary statements:	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280	Wear eye protection / face protection.
P103	Read label before use.
P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER / doctor.
Contains:	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts Alcohols, C12-13- branched and linear, ethoxylated (>5-10 EO) disodium carbonate-hydrogen peroxide (2:3)

Ingredients according to Regulation (EC) No. 648/2004

Less than 5%	Phosphonates, Anionic surfactants, Non-ionic surfactants, Soap, Zeolites, Polycarboxylates
5% or over but less than 15%	Oxygen-based bleaching agents
Other components:	Enzymes, Optical brighteners, Perfumes, Benzisothiazolinone

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
SODIUM CARBONATE		
INDEX 011-005-00-2	20 ≤ x < 30	Eye Irrit. 2 H319
EC 207-838-8		
CAS 497-19-8		
disodium carbonate-hydrogen peroxide (2:3)		
INDEX -	10 ≤ x < 20	Ox. Liq. 2 H272, Acute Tox. 4 H302, Eye Dam. 1 H318
EC 239-707-6		Eye Dam. 1 H318: ≥ 25%, Eye Irrit. 2 H319: ≥ 7,5%
CAS 15630-89-4		LD50 Oral: 893 mg/kg
Alcohols, C12-13- branched and linear, ethoxylated (>5-10 EO)		
INDEX -	1 ≤ x < 5	Acute Tox. 4 H302, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=1
EC 931-954-4		STA Oral: 500 mg/kg
CAS 160901-19-9		
REACH Reg. 01-2119490233-42		
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts		
INDEX -	1 ≤ x < 5	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC 270-115-0		LD50 Oral: 1080 mg/kg
CAS 68411-30-3		
REACH Reg. 01-2119489428-22		
sodium silicate		
INDEX -	1 ≤ x < 5	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
EC 215-687-4		
CAS 1344-09-8		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate

product residues.
Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections
Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling
Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities
Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.
Storage class TRGS 510 (Germany): 11

7.3. Specific end use(s)
See Subsection 1.2

SECTION 8. Exposure controls/personal protection

8.1. Control parameters
Regulatory References:
ROU România Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006

 # SODIUM CARBONATE
Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	ROU	1		3		

 # disodium carbonate-hydrogen peroxide (2:3)

Predicted no-effect concentration - PNEC								
Normal value in fresh water				35	µg/L			
Normal value in marine water				35	µg/L			
Normal value for fresh water sediment				NEA				
Normal value for marine water sediment				NEA				
Normal value for marine water, intermittent release				35	µg/L			
Normal value of STP microorganisms				16,24	mg/l			
Normal value for the food chain (secondary poisoning)				NPI				
Normal value for the terrestrial compartment				NEA				
Normal value for the atmosphere				NPI				

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation		NPI		NPI		NPI	5 mg/m3	NPI
Skin	6,4 mg/cm2	NPI	6,4 mg/cm2	NPI	12,8 mg/cm2	NPI	12,8 mg/cm2	NPI

 # sodium silicate

Predicted no-effect concentration - PNEC								
Normal value in fresh water				7,5	mg/l			
Normal value in marine water				1	mg/l			
Normal value for fresh water sediment				NPI				
Normal value for marine water sediment				NPI				
Normal value for marine water, intermittent release				7,5	mg/l			
Normal value of STP microorganisms				348	mg/l			
Normal value for the food chain (secondary poisoning)				NEA				
Normal value for the terrestrial compartment				NPI				
Normal value for the atmosphere				NPI				

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		800 µg/kg bw/d				
Inhalation	MED	NPI	MED	1,38 mg/m3	MED	NPI	MED	5,61 mg/m3
Skin	MED	NPI	MED	800 µg/kg bw/d	MED	NPI	MED	1,59 mg/kg bw/d

 # Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Predicted no-effect concentration - PNEC			
Normal value in fresh water	268	µg/L	
Normal value in marine water	26,8	µg/L	

Normal value for fresh water sediment	8,1	mg/kg/d
Normal value for marine water sediment	6,8	mg/kg/d
Normal value for marine water, intermittent release	16,7	µg/L
Normal value of STP microorganisms	3,43	mg/l
Normal value for the food chain (secondary poisoning)	NEA	
Normal value for the terrestrial compartment	35	mg/kg/d
Normal value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		425 µg/kg bw/day				
Inhalation	NPI	NPI	NPI	1,3 mg/m3	NPI	NPI	NPI	7,6 mg/m3
Skin	LOW	NPI	NPI	42,6 mg/kg bw/d	LOW	NPI	NPI	119 mg/kg bw/d

 # Alcohols, C12-13- branched and linear, ethoxylated (>5-10 EO)

Predicted no-effect concentration - PNEC		
Normal value in fresh water	1,23	µg/L
Normal value in marine water	123	ng/L
Normal value for fresh water sediment	29	µg/L
Normal value for marine water sediment	2,9	µg/L
Normal value for marine water, intermittent release	1,795	µg/L
Normal value for fresh water, intermittent release	179	ng/L
Normal value of STP microorganisms	200	µg/L
Normal value for the food chain (secondary poisoning)	NEA	
Normal value for the terrestrial compartment	8,6	µg/L
Normal value for the atmosphere	NPI	

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		1,67 mg/kg bw/d				
Inhalation	NPI	NPI	NPI	4,36 mg/m3	NPI	NPI	NPI	24,5 mg/m3
Skin	NPI	NPI	NPI	83,3 mg/kg bw/d	NPI	NPI	NPI	233 mg/kg bw/d

Legend:
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.
Provide an emergency shower with face and eye wash station.

HAND PROTECTION
In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).
Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION
Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	powder	
Colour	white	
Odour	characteristic	

Melting point / freezing point	not applicable
Initial boiling point	not applicable
Flammability	not available
Lower explosive limit	not available
Upper explosive limit	not available
Flash point	not applicable
Auto-ignition temperature	not available
Decomposition temperature	not available
pH	not available
Kinematic viscosity	not available
Solubility	soluble in water
Partition coefficient: n-octanol/water	not available
Vapour pressure	not available
Density and/or relative density	1,38
Relative vapour density	not available
Particle characteristics	not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The powders are potentially explosive when mixed with air.

10.4. Conditions to avoid

Avoid environmental dust build-up.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)
# SODIUM CARBONATE	
LD50 (Dermal):	117 mg/kg Mouse
LD50 (Oral):	4090 mg/kg Rat
LC50 (Inhalation mists/powders):	2,3 mg/l/2h Rat
# disodium carbonate-hydrogen peroxide (2:3)	
LD50 (Dermal):	2000 mg/kg Rabbit
LD50 (Oral):	893 mg/kg Rat
# sodium silicate	
LD50 (Dermal):	5000 mg/kg Rat
LD50 (Oral):	3400 mg/kg Rat
LC50 (Inhalation vapours):	2,06 mg/l/4h Rat
# Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	
LD50 (Oral):	1080 mg/kg

Alcohols, C12-13- branched and linear, ethoxylated (>5-10 EO)

LD50 (Oral):	13000 mg/kg
STA (Oral):	500 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

disodium carbonate-hydrogen peroxide (2:3)

EC50 - for Crustacea	4,9 mg/l/48h
Chronic NOEC for Crustacea	2 mg/l

sodium silicate

EC50 - for Crustacea	100 mg/l/48h
EC50 - for Algae / Aquatic Plants	35 mg/l/72h
Chronic NOEC for Fish	348 mg/l

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

EC50 - for Crustacea	2,9 mg/l/48h
EC50 - for Algae / Aquatic Plants	29 mg/l/72h
Chronic NOEC for Fish	0,23 mg/l
Chronic NOEC for Crustacea	1,18 mg/l
Chronic NOEC for Algae / Aquatic Plants	4 mg/l

Alcohols, C12-13- branched and linear, ethoxylated (>5-10 EO)

EC50 - for Crustacea	0,238 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,179 mg/l/72h
Chronic NOEC for Fish	0,646 mg/l
Chronic NOEC for Crustacea	0,176 mg/l

12.2. Persistence and degradability

SODIUM CARBONATE

Solubility in water	1000 - 10000 mg/l

Degradability: information not available

sodium silicate

Solubility in water	115 mg/l

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Solubility in water	250 g/l

Rapidly degradable

Alcohols, C12-13- branched and linear, ethoxylated (>5-10 EO)

Solubility in water	24 mg/l

Rapidly degradable

12.3. Bioaccumulative potential

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Partition coefficient: n-octanol/water	1,4 Log Kow @ 23 °C

Alcohols, C12-13- branched and linear, ethoxylated (>5-10 EO)

Partition coefficient: n-octanol/water	5,15

12.4. Mobility in soil
Information not available

12.5. Results of PBT and vPvB assessment
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Endocrine disrupting properties
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects
Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods
Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number
not applicable

14.2. UN proper shipping name
not applicable

14.3. Transport hazard class(es)
not applicable

14.4. Packing group
not applicable

14.5. Environmental hazards
not applicable

14.6. Special precautions for user
not applicable

14.7. Maritime transport in bulk according to IMO instruments
Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance:

Point	75	SODIUM CARBONATE

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable

Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:
None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Healthcare controls
Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)
WGK 1: Low hazard to waters

15.2. Chemical safety assessment
A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

This Safety Data Sheet has been drawn up on the basis of the information contained in the SDS (Rev.1 of 05/04/2017) of the Supplier of the mixture

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Liq. 2	Oxidising liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.
CALCULATION METHODS FOR CLASSIFICATION
Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.
Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.
Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

EN	Ingredient data sheet REGULATION (EC) No 648/2004
IT	Scheda degli ingredienti REGOLAMENTO (CE) N. 648/2004
FR	Fiche d'information sur les composants RÈGLEMENT (CE) No 648/2004
DE	Datenblatt über Inhaltsstoffe VERORDNUNG (EG) Nr. 648/2004
ES	Hoja informativa de ingredientes REGLAMENTO (CE) No 648/2004
PL	Arkusz danych składników ROZPORZĄDZENIE (WE) NR 648/2004
PT	Ficha de informação relativa aos ingredientes REGULAMENTO (CE) N.o 648/2004
NL	Gegevensblad betreffende bestanddelen VERORDENING (EG) Nr. 648/2004
CS	Datový list složek NAŘÍZENÍ EVROPSKÉHO PARLAMENTU A RADY (ES) č. 648/2004
EL	Δελτίο στοιχείων συστατικών ΚΑΝΟΝΙΣΜΌΣ (ΕΚ) αριθ. 648/2004
HU	Az összetevőket ismertető adatlap AZ EURÓPAI PARLAMENT ÉS A TANÁCS 648/2004
RO	Fișa tehnică privind elementele componente REGULAMENTUL (CE) NR. 648/2004
SK	Zoznam zložiek NARIADENIE EURÓPSKEHO PARLAMENTU A RADY (ES) č. 648/2004
SL	Seznam sestavin UREDBA (ES) št. 648/2004
FI	Luettelo ainesosista EUROOPAN PARLAMENTIN JA NEUVOSTON ASETUS (EY) N:o 648/2004
SV	Faktablad över beståndsdelar EUROPAPARLAMENTETS OCH RÅDETS FÖRORDNING (EG) nr 648/2004
HR	Popis sastojaka UREDBA (EZ) br. 648/2004

SODIUM SULFATE
SODIUM CARBONATE
SODIUM CHLORIDE
SODIUM CARBONATE PEROXIDE
SODIUM SILICOALUMINATE
SODIUM SILICATE
AQUA
Tetracetyl etylene diamine
SODIUM DODECYLBENZENESULFONATE
Laureth-7
Sodium Soap
Silicone Compound
Sodium acrylate/maleate copolymer
Parfum
Fluorescent Whitening Agent, bis- (triazinylamino)- stilbene disulphonic acid derivative
SUBTILISIN
Alpha-amylase

https://ec.europa.eu/growth/tools-databases/cosing

Emergency telephone numbers

For urgent safety information call the Anti-Poison Centre of your country:

	COUNTRY	CUSTOMER SERVICE NR.	ANTI-POISON CENTRE NR.
	AUSTRIA	(0043) 050 6700 2111	(0043) 01 406 43 43
	BELGIUM	(0032) 02 263 3333	(0032) 070 245 245
	BULGARIA	(00359) 0700 100 68	(00359) 2 9154 409
	CROATIA	(00385) 0130 40 333	(00385) 1 2348 342
	CZECK REP.	(00420) 840 111 313	(00420) 224 919 293 / +420 224 915 402
	DENEMARK	(0045) 448 802 22	(0045) 8212 1212
	FINLAND	(09) 61336 235	(09) 471977
	FRANCE	(0033) 09 69 39 1234	(0033) 01 4542 5959
	GERMAN	(0049) 0711 93533655	(0049) 0551 19240
	GREECE	(0030) 210 994 6400	(0030) 210 779 3777
	HOLLAND	(0031) 076 5306400	(0031) 030 274 8888
	HUNGARY	(0036) 1 999 5000	(0036) 802 011 99
	IRELAND	(00353) 0844 815 8989	(00353) 1 809 2566 / (00353) 1 837 9964
	ITALY	(0039) 02 20 30	Tel. (+39) 06.6859.3726 - Roma Tel. (+39) 06.4997.8000 - Roma Tel. (+39) 06.305.4343 - Roma Tel. 800.183.459 - Foggia Tel. (+39) 081.545.3333 - Napoli Tel. (+39) 055.794.7819 - Firenze Tel. (+39) 0382.24.444 - Pavia Tel. (+39) 02.66.1010.29 - Milano Tel. 800.88.33.00 - Bergamo Tel. 800.011.858 - Verona
	KAZAKISTAN	(007) 8 800 100 5731	(007) 3272 925 868
	NORWAY	(0047) 227 82580	(0047) 225 913 00
	POLAND	(0048) 801 900 666	(0048) 124 119 999
	PORTUGAL	(00351) 707 203 204	(00351) 808 250 143
	ROMANIAN	(0040) 0372 117 745	(0040) 213 183 606
	RUSSIA	(007) 8 800 3333 887	(007) 343 229 9857 (007) 495 628 1687 (007) 921 757 3228
	SERBIA	(00381) 11 30 65 674	(00381) 11 3608 440
	SLOVAKIA	(00421) 0850 003 007	(00421) 2 5477 4166
	SPAIN	(0034) 902 203 204	(0034) 91 562 0420
	SWEDEN	(0046) 0771 751570	(0046) 010 456 6700; 112 (national callers)
	SWISS	(0041) 0848 801 005	(0041) 44 251 51 51 (dial 145)
	UK	(0044) 0844 815 8989	(0044) 844 892 0111
	UK	(0044) 0844 815 8989	(0044) 844 892 0111
	UCRAIN	(00380) 0 800 30 20 30	(00380) 44 258 4773