



Information Sheet for finished cosmetic products

Revision: Nr. 2. Dated: 18/06/2025.
Replaced revision: 1 (Dated: 18/06/2025)

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

1.1. Product identifier

Code: **PF0108**
Product name: **Bleach & Color "Second family"**

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

Intended use: **Prodotto decolorante/colorante per capelli**
nuance: 01 platino, 032 sabbia.

1.3. Details of the supplier of the safety data sheet

HAIR BIOLOGIC SYSTEM SRL - VIA PADRE ANTONIO CASAMASSA, 87 - 00119 ROMA
TEL. +39 06.5652045/6 - FAX +39 06.5652150, INFO@HBSSRL.COM, WWW.JALYD.COM

1.4 Emergency telephone number

+39 327.4790350

2. Hazards identification

2.1. Classification of the substance or mixture

The product is a cosmetic product and as such is not subject to the obligation of having a safety data sheet in accordance with the REACH Regulation and being classified in accordance to the CLP Regulation.

Hazard classification and indication: --

2.2. Label elements

The product is exempt from the labelling obligation in accordance with the CLP Regulation.

Hazard pictograms: --

Signal words: --

Hazard statements: --

Precautionary statements: --

3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
POTASSIO PERSOLFATO INCI POTASSIUM PERSULFATE INDEX 016-061-00-1	25 ≤ x < 37,1	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317 LD50 Oral: 742 mg/kg
EC 231-781-8 CAS 7727-21-1 REACH Reg. 01-2119495676-19-0000		

AMMONIO PERSOLFATOINCI AMMONIUM PERSULFATE
INDEX 016-060-00-6 $10 \leq x < 20$ Ox. Sol. 3 H272, Acute Tox. 4 H302,
Eye Irrit. 2 H319, Skin Irrit. 2 H315,
STOT SE 3 H335, Resp. Sens. 1 H334,
Skin Sens. 1 H317
LD50 Oral: 742 mg/kg

EC 231-786-5

CAS 7727-54-0

REACH Reg. 01-2119495973-19-0000

SODIO METASILICATOINCI SODIUM METASILICATE
INDEX 014-010-00-8 $5 \leq x < 10$ Met. Corr. 1 H290, Skin Corr. 1B H314,
Eye Dam. 1 H318, STOT SE 3 H335

EC 229-912-9

CAS 6834-92-0

REACH Reg. 01-2119449811-37

SODIO SILICATOINCI Sodium Silicate
INDEX - $3 \leq x < 5$ Eye Dam. 1 H318, Skin Irrit. 2 H315,
STOT SE 3 H335

EC 215-687-4

CAS 1344-09-8

REACH Reg. 01-2119448725-31-0011

SODIO PERSOLFATOINCI Sodium Persulfate
INDEX - $1 \leq x < 5$ Ox. Sol. 3 H272, Acute Tox. 4 H302,
Eye Irrit. 2 H319, Skin Irrit. 2 H315,
STOT SE 3 H335, Resp. Sens. 1 H334,
Skin Sens. 1 H317
LD50 Oral: 895 mg/kg

EC 231-892-1

CAS 7775-27-1

REACH Reg. 01-2119495975-15-0000

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

4. First aid measures**4.1 Description of first aid measures**

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

4.2 Most important symptoms and effects, both acute and delayed

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

4.3 Indication of any immediate medical attention and special treatment needed

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

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.

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).

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

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 into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. 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.

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.

7.3 Specific end use(s)

Information not available.

8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

ESP España

GBR United Kingdom

Límites de exposición profesional para agentes químicos en España 2024
EH40/2005 Workplace exposure limits (Fourth Edition 2020)

AMMONIO PERSOLFATO**Threshold Limit Value**

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
VLA	ESP	1				
WEL	GBR	1				

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,518	mg/l
Normal value in marine water	0,052	mg/l
Normal value for fresh water sediment	2,03	mg/kg
Normal value for marine water sediment	0,203	mg/kg
Normal value for marine water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,1	mg/kg

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			0.47 mg/kg/d	1.41 mg/kg/d				
Inhalation			0.421 mg/m3				0.824 mg/m3	
Skin			4.8 ma/ka/d				9.5 ma/ka/d	

POTASSIO PERSOLFATO**Threshold Limit Value**

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
VLA	ESP	1				
WEL	GBR	1				

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,518	mg/l
Normal value in marine water	0,052	mg/l
Normal value for fresh water sediment	2,03	mg/kg
Normal value for marine water sediment	0,203	mg/kg
Normal value for marine water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,1	mg/kg

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		1.55 mg/kg/d	0.47	0.52 mg/kg/d				
Inhalation			0.421 mg/m3				0.824 mg/m3	
Skin			4.8	5.2 ma/ka/d			9.5	10.3 ma/ka/d

SODIO METASILICATO**Predicted no-effect concentration - PNEC**

Normal value in fresh water	75	mg/l
Normal value in marine water	1	mg/l
Normal value for marine water, intermittent release	75	mg/l
Normal value of STP microorganisms	1000	mg/l

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				0.74 mg/kg bw/d				
Inhalation			1.55	1.55 mg/m3			6.22	6.22 mg/m3
Skin				0.74 mg/kg bw/d				1.49 mg/kg bw/d

SODIO PERSOLFATO**Predicted no-effect concentration - PNEC**

Normal value in fresh water	763	mg/l
Normal value in marine water	11	mg/l
Normal value for fresh water sediment	275	mg/kg
Normal value for marine water sediment	396	mg/kg
Normal value for marine water, intermittent release	763	mg/l
Normal value of STP microorganisms	36	mg/l

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 syst
Oral		30 mg/kg/d		9.1 mg/kg/d				
Inhalation	295 mg/m3	295 mg/m3	1.03 mg/m3	1.03 mg/m3		590 mg/m3	2.06 mg/m3	2.06 mg/m3
Skin	1.124 mg/cm2	200 mg/kg/d	0.051 mg/cm2	9.1 mg/kg/d	2.248 mg/cm2	400 mg/kg/d	0.102 mg/cm2	18.2 mg/kg/d

SODIO SILICATO

Predicted no-effect concentration - PNEC

Normal value in fresh water	75	mg/l
Normal value in marine water	1	mg/l
Normal value for water, intermittent release	75	mg/l
Normal value of STP microorganisms	348	mg/l

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0.80 mg/kg/d				
Inhalation		1.38 mg/m3						5.61 mg/m3
Skin		0.80 mg/kg/d				1.59 mg/kg/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.

8.2. Exposure controls

Ensure good ventilation in the workplace; do not drink, smoke and eat during use.

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.

EYE PROTECTION

Wear eye/face protection if there is a possibility of splashes.

9. Physical and chemical properties

Properties

Appearance
Colour
Odour
pH

Value

crema
Caratteristico
characteristic
10,40 - 11,40

1,10 - 1,20 g/ml

Information

Method: Visivo
Remark: Visivo
Method: Olfattivo
Method: ph-metro
Concentration: 1 %
Method: Picnometro

"Uniform corrosion evaluation test" was negative, corrosion for "H290" metals (03/2023) is excluded

10. Stability and reactivity

10.1. Reactivity

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

AMMONIO PERSOLFATO

Stable in normal conditions of use and storage.

POTASSIO PERSOLFATO

Reacts with: oxidising substances.

SODIO METASILICATO

Reacts with: alkaline substances. May corrode: metals.

SODIO PERSOLFATO

Stable in normal conditions of use and storage.

SODIO SILICATO

Possibility of explosion. On contact with: hydrogen.

Reacts violently with: acids.

May react with: sugar groups. May form: carbon monoxide.

10.2. Chemical stability

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

AMMONIO PERSOLFATO

Stable in normal conditions of use and storage.

POTASSIO PERSOLFATO

Avoid exposure to: heat, high temperatures.

SODIO METASILICATO

Avoid exposure to: water, hygroscopic.

SODIO PERSOLFATO

Stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

AMMONIO PERSOLFATO

Avoid exposure to: moisture.

POTASSIO PERSOLFATO

Avoid exposure to: moisture.

SODIO METASILICATO

Reacts with: strong oxidising agents.

Reacts violently with: halogens.

Develops heat on contact with: acids.

SODIO PERSOLFATO

Avoid exposure to: moisture.

SODIO SILICATO

Avoid contact with: hydrogen.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

AMMONIO PERSOLFATO

Avoid contact with: NON-TOLERABLE SUBSTANCES.

Avoid exposure to: moisture.

POTASSIO PERSOLFATO

Avoid contact with: NON-TOLERABLE SUBSTANCES.

Avoid exposure to: moisture.

SODIO PERSOLFATO

Avoid exposure to: moisture.

Avoid exposure to: heat, overheated surfaces.

Avoid exposure to: Sparks, naked flames.

10.5. Incompatible materials

AMMONIO PERSOLFATO

Avoid contact with: strong acids, strong bases, heavy metals.

Avoid contact with: reducing substances.

POTASSIO PERSOLFATO

Avoid contact with: strong acids, strong bases, heavy metals.

Avoid contact with: reducing substances.

SODIO METASILICATO

Incompatible materials: metals.

Incompatible with: strong acids, oxidising agents, halogens.

SODIO PERSOLFATO

Incompatible with: strong acids, strong alkalis, reducing agents, heavy metals salts.

10.6. Hazardous decomposition products

AMMONIO PERSOLFATO

Develops: irritating vapours.

POTASSIO PERSOLFATO

Develops: irritating vapours.

SODIO METASILICATO

Reacts with: metals, water. Develops: flammable gases.

SODIO PERSOLFATO

When heated to decomposition releases: toxic gases, toxic vapours.

11. Toxicological information

ACUTE TOXICITY

POTASSIO PERSOLFATO

LD50 (Dermal):	> 2000 mg/kg
LD50 (Oral):	742 mg/kg
LC50 (Inhalation mists/powders):	> 5,1 mg/l/4h

AMMONIO PERSOLFATO

LD50 (Dermal):	> 2000 mg/kg
LD50 (Oral):	742 mg/kg
LC50 (Inhalation mists/powders):	> 5,1 mg/l/4h

SODIO METASILICATO

LD50 (Dermal):	> 5000 mg/kg
LC50 (Inhalation vapours):	> 206 mg/l/4h

SODIO SILICATO

LD50 (Dermal):	> 5000 mg/kg
LD50 (Oral):	3400 mg/kg

SODIO PERSOLFATO

LD50 (Dermal):	10000 mg/kg
LD50 (Oral):	895 mg/kg
LC50 (Inhalation mists/powders):	> 51 mg/l/4h

SKIN CORROSION / IRRITATION

The test carried out in January 2023 on the bleaching cream was negative to the "H314" skin corrosion

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.

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

POTASSIO PERSOLFATO

LC50 - for Fish	107,6 mg/l/96h
EC50 - for Crustacea	120 mg/l/48h
EC50 - for Algae / Aquatic Plants	320 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	32 mg/l

AMMONIO PERSOLFATO

LC50 - for Fish	107,6 mg/l/96h
EC50 - for Crustacea	120 mg/l/48h
EC50 - for Algae / Aquatic Plants	320 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	32 mg/l

SODIO METASILICATO	
LC50 - for Fish	210 mg/l/96h
EC50 - for Crustacea	1700 mg/l/48h
EC50 - for Algae / Aquatic Plants	207 mg/l/72h

SODIO SILICATO	
LC50 - for Fish	1108 mg/l/96h
EC50 - for Crustacea	1700 mg/l/48h

SODIO PERSOLFATO	
LC50 - for Fish	163 mg/l/96h
EC50 - for Crustacea	133 mg/l/48h
EC50 - for Algae / Aquatic Plants	116 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	< 171 mg/l

12.2. Persistence and degradability

POTASSIO PERSOLFATO
Degradability: information not available

AMMONIO PERSOLFATO
Degradability: information not available

SODIO METASILICATO
Degradability: information not available

SODIO SILICATO
Degradability: information not available

SODIO PERSOLFATO
Degradability: information not available

12.3. Bioaccumulative potential

Information not available.

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 \geq 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.

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.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

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.

15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

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 \geq than 0,1%.

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.

16. Other information

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

Ox. Sol. 3	Oxidising solid, category 3
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
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
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

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
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

Note for users:

The information contained in this document 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.

Changes to previous review:

The following sections were modified:

01 / 03.