SILICATRIA FONDO

Safety Data Sheet — English translation of the Italian original · Compliant with Annex II of REACH — Regulation (EU) 2020/878 · Manufacturer: Colorificio ATRIA S.r.l., Partanna (TP), Italy · Revision n.1 of 21/10/2025 (new issue; printed 21/10/2025) · Product code: — (none indicated)

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

1.1. Product identifier

Code:	—
Name:	Silicatria Fondo
Chemical name and synonyms:	modified potassium silicate

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

Description/Use:	Potassium-silicate primer for exteriors

1.3. Details of the supplier of the safety data sheet

Company name:	COLORIFICIO ATRIA S.R.L.
Address:	Contrada Camarro Formeca
Town and Country:	91028 PARTANNA (TP), ITALY tel. +39 0924 49500 fax +39 0924 921250
E-mail of the competent person responsible for the safety data sheet:	amario@atria.it
Supplier:	Colorificio Atria Srl
US distributor:	ATRIA USA / Euro Star Enterprises LLC 17811 Davenport Road Suite 12, Dallas TX 75252, USA sales@atria-usa.com — +1 972-965-5881

1.4. Emergency telephone number

For urgent information contact: Colorificio Atria Srl — Technical Office +39 0924 49500, hours 08.00–13.00 / 14.30–17.00, excluding holidays.

US contact: ATRIA USA 972-965-5881 (business hours).

Italian Poison Control Centres (CAV):

"Osp. Pediatrico Bambino Gesù" Rome	Piazza Sant'Onofrio, 4	Telephone 06 68593726
Az. Osp. Univ. Foggia, Foggia	V.le Luigi Pinto, 1	Telephone 0881-732326
Az. Osp. "A. Cardarelli" Naples	Via A. Cardarelli, 9	Telephone 081-7472870
CAV Policlinico "Umberto I" Rome	V.le del Policlinico, 155	Telephone 06-49978000
CAV Policlinico "A. Gemelli" Rome	Largo Agostino Gemelli, 8	Telephone 06-3054343
Az. Osp. "Careggi" U.O. Medical Toxicology, Florence	Largo Brambilla, 3	Telephone 055-7947819
CAV National Centre of Toxicological Information, Pavia	Via Salvatore Maugeri, 10	Telephone 0382-24444
Osp. Niguarda Ca' Granda, Milan	Piazza Ospedale Maggiore, 3	Telephone 02-66101029
Azienda Ospedaliera Papa Giovanni XXII, Bergamo	Piazza OMS, 1	Telephone 800883300

SECTION 2: Hazards identification

Contains: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1 mixture). May produce an allergic reaction.

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP). However, since the product contains hazardous substances in a concentration such as to be declared in section 3, it requires a safety data sheet with adequate information, in accordance with Regulation (EU) 2020/878.

Classification and hazard statements:	--

2.2. Label elements

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

Hazard pictograms:	--
Signal words:	--

Hazard statements:

EUH210	Safety data sheet available on request.

Precautionary statements:

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2.3. Other hazards

On the basis of available data, the product does not contain PBT or vPvB substances in percentage ≥ 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 1272/2008 (CLP)
Potassium salt INDEX — EC 215-199-1 CAS 1312-76-1	5 ≤ x < 10	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335

The full text of the hazard (H) statements is given in section 16 of the sheet.

SECTION 4: First aid measures

4.1. Description of first aid measures

No effects requiring special first aid measures are expected. The following information consists of practical indications of correct behaviour in case of contact with a chemical product, even a non-hazardous one. If in doubt, or if symptoms are

present, contact a physician and show them this document. In case of more serious symptoms, call 118 (Italian emergency medical service) to obtain immediate medical assistance.
EYES: Remove contact lenses, if present, if the situation allows the operation to be carried out easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids wide. Consult a physician immediately.
SKIN: Remove contaminated clothing. Wash immediately with plenty of running water (and soap if possible). Consult a physician. Avoid further contact with contaminated clothing.
INGESTION: Do not induce vomiting unless expressly authorised by the physician. Do not give anything by mouth if the person is unconscious. Consult a physician immediately.
INHALATION: Move the person to fresh air, away from the site of the accident. Consult a physician immediately.

Protection of first-aiders

It is good practice for the rescuer assisting a person who has been exposed to a chemical substance or mixture to wear personal protective equipment. The nature of such protection depends on the hazardousness of the substance or mixture, the mode of exposure and the extent of contamination. In the absence of other more specific indications, it is recommended to use disposable gloves in case of possible contact with biological fluids. For the type of PPE suited to the characteristics of the substance or mixture, refer to section 8.

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

No specific information on symptoms and effects caused by the product is known.

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

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

In case of symptoms, whether acute or delayed, consult a physician.

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

Running water for washing skin and eyes.

SECTION 5: Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA
The extinguishing media are the conventional ones: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA
Do not use a full water jet.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE: Any fires develop a thick black smoke. Exposure to decomposition products may be hazardous to health. Avoid breathing combustion products. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, nitrogen oxides.

5.3. Advice for firefighters

GENERAL INFORMATION
Cool containers with water jets to prevent product decomposition and the development of substances potentially hazardous to health. Always wear full fire-fighting protective equipment. Collect extinguishing water, which must not be discharged into sewers. Dispose of the contaminated water used for extinguishing and of the fire residue in accordance with the regulations in force.

EQUIPMENT
Normal fire-fighting clothing, such as an open-circuit compressed-air self-contained breathing apparatus (EN 137), flame-retardant suit (EN 469), flame-retardant gloves (EN 659) and firefighter boots (HO A29 or A30).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger. Wear suitable protective equipment (including the personal protective equipment referred to in section 8 of the safety data sheet) in order to prevent contamination of skin, eyes and personal clothing. These indications apply both to processing workers and to emergency responders.

6.2. Environmental precautions

Prevent the product from entering sewers, surface waters and groundwater.

6.3. Methods and material for containment and cleaning up

Draw up the spilled product into a suitable container. Assess the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material. Ensure sufficient ventilation of the place affected by the leak. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid release of the product into the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering areas where food is eaten.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Information not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

ITA	Italy	Legislative Decree of 9 April 2008, No. 81
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	

		Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	ACGIH	ACGIH 2025

Butyl diglycol acetate (diethylene glycol monobutyl ether acetate)

Predicted no-effect concentration for the environment — PNEC

Reference value in fresh water	0.108	mg/l
Reference value in marine water	0.0108	mg/l
Reference value for fresh-water sediments	0.8	mg/kg
Reference value for marine-water sediments	0.08	mg/kg
Reference value for water, intermittent release	0.6	mg/l
Reference value for STP micro-organisms	100	mg/l
Reference value for the terrestrial compartment	0.29	mg/kg/d

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				7.9 mg/kg/d				
Inhalation				43 mg/m3				85 mg/m3
Dermal				60 mg/kg/d				100 mg/kg/d

METHANOL — Threshold limit value

Type	**Country**	**TWA/8h**		**STEL/15min**		**Notes / Remarks**
		mg/m3	**ppm**	**mg/m3**	**ppm**	
VLEP	ITA	260	200			SKIN
WEL	GBR	266	200	333	250	SKIN
OEL	EU	260	200			
ACGIH		262	200	328	250	SKIN

Legend:
(C) = CEILING; INALAB = Inhalable fraction; RESPIR = Respirable fraction; TORAC = 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

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation of the workplace by means of effective local extraction.

HAND PROTECTION
Protect hands with category III work gloves. For the final choice of work-glove material (ref. standard EN 374), the following must be considered: compatibility, degradation, permeation time. In the case of preparations, the resistance of

work gloves to chemical agents must be verified before use, as it is not predictable. Gloves have a wear time that depends on the duration and manner of use.

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

EYE PROTECTION
It is advisable to wear hermetically sealed protective goggles (ref. standard EN ISO 16321).

RESPIRATORY PROTECTION
The use of respiratory protection equipment is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values considered. It is advisable to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use (ref. standard EN 14387). If the substance in question is odourless or its olfactory threshold is higher than its TLV-TWA, and in emergencies, wear an open-circuit compressed-air self-contained breathing apparatus (ref. standard EN 137) or a fresh-air-hose breathing apparatus (ref. standard EN 138). For the correct choice of respiratory protective device, refer to standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS
Emissions from production processes, including those from ventilation equipment, should be controlled for the purposes of compliance with environmental-protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical state	paste	
Colour	Neutral	
Odour	odourless	
Melting point or freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	> 65 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	8	Temperature: 25 °C
Kinematic viscosity	not available	
Dynamic viscosity	20 – 40 sec.	Method: Ford cup no. 4; Temperature: 25 °C
Solubility	soluble in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	1.15 kg/l	Temperature: 25 °C
Relative vapour density	not available	

Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Total solids (250°C / 482°F)	25 %
VOC (Directive 2010/75/EU)	0 g/litre

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific experimental data on reactivity are available for this product or its ingredients.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Under normal conditions of use and storage, no hazardous reactions are foreseeable.

10.4. Conditions to avoid

None in particular. However, observe the usual precautions applicable to chemical products.

10.5. Incompatible materials

To avoid strong exothermic reactions, keep away from the following materials: oxidising agents, strong alkalis, strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be generated.

SECTION 11: Toxicological information

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

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed and 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 relevant component)
ATE (Oral) of the mixture:	Not classified (no relevant component)
ATE (Dermal) of the mixture:	Not classified (no relevant component)

SKIN CORROSION / SKIN IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.
Contains: [see the statement at the head of Section 2 — 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1 mixture); the sentence is left incomplete at this point in the original]

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

SPECIFIC TARGET ORGAN TOXICITY (STOT) — SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (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

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

SECTION 12: Ecological information

Use in accordance with good working practices, avoiding release of the product into the environment. Notify the competent authorities if the product has reached watercourses or has contaminated soil or vegetation.

12.1. Toxicity

Information not available

12.2. Persistence and 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 PBT or vPvB substances in percentage ≥ 0.1%.

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Information not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Reuse where possible. Product residues as such are to be considered non-hazardous special waste. Disposal must be entrusted to a company authorised for waste management, in compliance with national and, where applicable, local regulations. The management of waste arising from the use or spillage of this product must be organised in compliance with occupational-safety regulations. See section 8 for any need for PPE.

CONTAMINATED PACKAGING
Contaminated packaging must be sent for recovery or disposal in compliance with national waste-management regulations.

SECTION 14: Transport information

The product is not to be considered hazardous pursuant to the provisions in force concerning the transport of dangerous goods by road (ADR), by rail (RID), by sea (IMDG Code) and by air (IATA).

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 the substances contained pursuant to Annex XVII of Regulation (EC) 1907/2006

Product

Point	40

Substances contained

Point	75

Regulation (EU) 2019/1148 — on the marketing and use of explosives precursors

not applicable

Substances in the Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain SVHC substances in percentage ≥ 0.1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to export notification requirement, Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Health checks (medical surveillance)

Information not available

D.Lgs. 152/2006 and subsequent amendments

Emissions according to Part V, Annex I:

TAB. D	Class III	< 0.01 %
WATER		37.01 %

15.2. Chemical safety assessment

No chemical safety assessment has been prepared for the mixture / for the substances indicated in section 3.

SECTION 16: Other information

Text of the hazard (H) statements referred to in sections 2–3 of the sheet:

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
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE / STA: Acute Toxicity Estimate
- CAS: Chemical Abstract Service number
- CE (EC): Identification number in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No-Effect Level
- EC50: Concentration giving effect to 50% of the test population
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labelling of chemicals
- IATA DGR: Dangerous Goods Regulation of the International Air Transport Association
- IC50: Immobilisation concentration of 50% of the test population
- IMDG: International Maritime code for the transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of the 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 carriage of Dangerous goods by rail
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded at any time during occupational exposure

- TWA: Time-Weighted Average exposure limit
- TWA STEL: Short-Term Exposure Limit
- VOC: Volatile Organic Compound
- vPvB: very Persistent and very Bioaccumulative
- vPvM: very Persistent and very Mobile
- WGK: Water hazard class (Germany)

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 2020/878 (Annex II of the REACH Regulation)
4. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
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 (EU) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (EU) 2023/707
24. Delegated Regulation (EU) 2023/1434 (XIX Atp. CLP)
25. Delegated Regulation (EU) 2023/1435 (XX Atp. CLP)
26. Delegated Regulation (EU) 2024/197 (XXI Atp. CLP)
27. Delegated Regulation (EU) 2024/2564 (XXII 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 Agency website
- Database of SDS models for chemical substances — Italian Ministry of Health and Istituto Superiore di Sanità

Note for the user:
The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product. This document must not be interpreted as a guarantee of any specific property of the product. Since the use of the product does not fall under our direct control, it is the user's obligation to observe, under his own responsibility, the laws and provisions in force concerning hygiene and safety. No liability is accepted for improper use. Provide adequate training to personnel involved in the use of chemical products.

CLASSIFICATION CALCULATION METHODS

Physical-chemical hazards: The classification of the product was derived from the criteria established by the CLP Regulation, Annex I, Part 2. The methods for evaluating the physical-chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods set out in Annex I of the CLP, Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of the CLP, Part 4, unless otherwise indicated in section 12.

This document is an English translation of the manufacturer's original Italian Safety Data Sheet (revision noted above), prepared by ATRIA USA / Euro Star Enterprises LLC, Dallas TX (sales@atria-usa.com, +1 972-965-5881) for the convenience of US customers. In case of discrepancy the Italian original prevails. The original is available on request.