

Grace decorativo

Safety Data Sheet — English translation of the Italian original · Manufacturer: Colorificio ATRIA S.r.l., Partanna (TP), Italy · Revision n.5 of 03/12/2018 (printed 30/01/2019; replaces revision 4, revision date 19/03/2018) · Product code: 14.GRA.0000 · Compliant with Annex II of REACH — Regulation 2015/830 · Sold in the US as Grace Thermo Gold/Silver

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

1.1. Product identifier

Code:	14.GRA.0000
Name	Grace decorativo
Chemical name and synonyms	modified acrylic-terpolymer resin

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

Description/Use	HIGH-BUILD thermal-insulating decorative coating
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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 address of the competent person responsible for the safety data sheet	franco@atria.it
Party responsible for placing on the market:	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 inquiries 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) Poison Control Centres (Italy): CAV "Osp. Pediatrico Bambino Gesù", Roma — Piazza Sant'Onofrio, 4 — Tel. 06 68593726 Az. Osp. Univ. Foggia, Foggia — V.le Luigi Pinto, 1 — Tel. 0881-732326 Az. Osp. "A. Cardarelli", Napoli — Via A. Cardarelli, 9 — Tel. 081-7472870 CAV Policlinico "Umberto I", Roma — V.le del Policlinico, 155 — Tel. 06-49978000 CAV Policlinico "A. Gemelli", Roma — Largo Agostino Gemelli, 8 — Tel. 06-3054343 Az. Osp. "Careggi" U.O. Tossicologia Medica, Firenze — Largo Brambilla, 3 — Tel. 055-7947819 CAV Centro Nazionale di Informazione Tossicologica, Pavia — Via Salvatore Maugeri, 10 — Tel. 0382-24444 Osp. Niguarda Ca' Granda, Milano — Piazza Ospedale Maggiore, 3 — Tel. 02-66101029 Azienda Ospedaliera Papa Giovanni XXII, Bergamo — Piazza OMS, 1 — Tel. 800883300
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SECTION 2: Hazards identification

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 concentrations such that they must be declared in section 3, it requires a safety data sheet with adequate information, in compliance with Regulation (EU) 2015/830. 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:	—

2.3. Other hazards

Based on available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Aluminium CAS 7429-90-5 EC 231-072-3 INDEX — Reg. no. 01-2119529243-45	$6 \leq x < 7$	Flam. Sol. 2 H228, EUH066
2-BUTOXYETHANOL CAS 111-76-2 EC 203-905-0 INDEX 603-014-00-0	$1.5 \leq x < 2$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315

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

SECTION 4: First aid measures

In case of doubt or if symptoms persist, consult a physician. Never administer anything by mouth to an unconscious person. If the injured person is unconscious, place them in the recovery position and call a physician.

4.1. Description of first aid measures

EYES: Remove contact lenses, rinse thoroughly with clean, fresh water, keeping the eyelids open for at least 10 minutes, and consult a physician immediately.

SKIN: Remove contaminated clothing. Wash immediately and thoroughly with water. If irritation persists, consult a

physician. Wash contaminated clothing before reuse.

INHALATION: Move the subject to fresh air. If breathing is difficult, call a physician immediately.

INGESTION: Consult a physician immediately. Induce vomiting only on the physician's instruction. Do not administer anything by mouth if the subject is unconscious and unless authorized by a physician.

Protection of first aiders: No action shall be taken involving any personal risk or without suitable training.

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

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

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

Treat symptomatically. In case of ingestion or inhalation of large quantities, contact a poison control centre immediately.

No specific treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

Choose the most suitable extinguishing media for the specific situation.

UNSUITABLE EXTINGUISHING MEDIA

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE

The product is neither flammable nor combustible.

5.3. Advice for firefighters

EQUIPMENT

Normal firefighting 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) to prevent contamination of skin, eyes and personal clothing. These instructions apply both to processing workers and to emergency responders.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Collect the spilled product by suction 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 area affected by the spill. 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 dispersal 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 consumed.

7.2. Conditions for safe storage, including any incompatibilities

Keep 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:

GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	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 91/322/EEC.
	TLV-ACGIH	ACGIH 2018

2-BUTOXYETHANOL

Threshold limit value

Type	Country	TWA/8h		STEL/15min		Notes
		mg/m3	ppm	mg/m3	ppm	
WEL	GBR	123	25	246	50	SKIN
VLEP	ITA	98	20	246	50	SKIN
OEL	EU	98	20	246	50	SKIN
TLV-ACGIH		97	20			

AMMONIA

Threshold limit value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm

VLEP	ITA	14	20	36	50
OEL	EU	14	20	36	50
TLV-ACGIH		17	25	24	35

Legend:

(C) = CEILING ; INALAB = Inhalable fraction ; RESPIR = Respirable fraction ; TORAC = Thoracic fraction.

TLV of the solvent mixture: 1 mg/m³

8.2. Exposure controls

Since the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation of the workplace through effective local exhaust extraction.

When choosing personal protective equipment, seek advice from your chemical suppliers if necessary.

Personal protective equipment must bear the CE marking attesting its compliance with the regulations in force.

HAND PROTECTION

Protect hands with category III work gloves (ref. standard EN 374).

For the final choice of work glove material, the following must be considered: compatibility, degradation, breakthrough time and permeation.

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 mode of use.

SKIN PROTECTION

Wear long-sleeved work clothing and category I professional safety footwear (ref. Directive 89/686/EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

It is advisable to wear airtight protective goggles (ref. standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) of the substance, or of one or more of the substances present in the product, is exceeded, 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). In the presence of gases or vapours of a different nature and/or gases or vapours with particles (aerosols, fumes, mists, etc.), combined-type filters must be provided.

The use of respiratory protection equipment is necessary if the technical measures adopted are not sufficient to limit worker exposure to the threshold values under consideration. The protection provided by masks is in any case limited.

If the substance in question is odourless or its odour threshold is higher than the corresponding TLV-TWA, and in case of emergency, 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 the respiratory protection device, refer to standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be checked for compliance with environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	pasty
Colour	white
Odour	odourless

Odour threshold	Not available
pH	Not available
Melting point or freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C
Evaporation rate	Not available
Flammability of solids and gases	Not available
Lower flammability limit	Not available
Upper flammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	soluble
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Thixotropic
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Total solids (250°C / 482°F)	8.49 %
VOC (Directive 2010/75/EC):	1.50 %
VOC (volatile carbon):	0.91 %

SECTION 10: Stability and reactivity

10.1. Reactivity

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

2-BUTOXYETHANOL

Decomposes under the effect of heat.

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.

2-BUTOXYETHANOL

May react hazardously with: aluminium, oxidizing agents. Forms peroxides with: air.

10.4. Conditions to avoid

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

2-BUTOXYETHANOL

Avoid exposure to: heat sources, open flames.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

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

2-BUTOXYETHANOL

May develop: hydrogen.

SECTION 11: Toxicological information

In the absence of experimental toxicological data on the product itself, any health hazards of the product have been assessed on the basis of the properties of the substances it contains, according to the criteria set out in the reference legislation for classification.

Therefore, consider the concentration of the individual hazardous substances possibly listed in section 3 in order to assess the toxicological effects deriving from exposure to the product.

11.1. Information on toxicological effects

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

LC50 (Inhalation) of the mixture:	> 20 mg/l
LD50 (Oral) of the mixture:	>2000 mg/kg
LD50 (Dermal) of the mixture:	>2000 mg/kg

2-BUTOXYETHANOL

LD50 (Oral)	615 mg/kg Rat
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LD50 (Dermal)	405 mg/kg Rabbit
LC50 (Inhalation)	2.2 mg/l/4h Rat

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

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

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. Viscosity: Thixotropic

SECTION 12: Ecological information

Use according to good working practices, avoiding dispersal 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

2-BUTOXYETHANOL	
Solubility in water	1000 – 10000 mg/l
Rapidly degradable	

12.3. Bioaccumulative potential

2-BUTOXYETHANOL	
Partition coefficient: n-octanol/water	0.81

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

12.6. Other adverse effects

Information not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Reuse, if possible. Product residues as such are to be considered special non-hazardous waste.

Disposal must be entrusted to a company authorized for waste management, in compliance with national and, where applicable, local regulations.

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 dangerous under the current provisions on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN 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. Transport in bulk according to Annex II of MARPOL and the IBC Code

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/EC: None

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

None

Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in percentage greater than 0.1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to export notification obligation under Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Health checks

Information not available

D.Lgs. 152/2006 and subsequent amendments

Emissions according to Part V Annex I:

TAB. C	Class 4	00.03 %
TAB. D	Class 3	01.50 %
WATER		42.00 %

15.2. Chemical safety assessment

A chemical safety assessment has not been prepared for the mixture and the substances contained in it.

SECTION 16: Other information

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

Flam. Sol. 2	Flammable solid, category 2
Acute Tox. 4	Acute toxicity, category 4
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
H228	Flammable solid.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.

H319	Causes serious eye irritation.
H315	Causes skin irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service number
- EC50: Concentration giving effect to 50% of the test population
- CE (EC) NUMBER: Identification number 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 labelling of chemicals
- IATA DGR: Dangerous Goods Regulation of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the test population
- IMDG: International Maritime Code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable exposure level
- PNEC: Predicted no-effect concentration
- REACH: Regulation EC 1907/2006
- RID: Regulation for the international transport of dangerous goods by rail
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded at any time during occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- 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) 790/2009 of the European Parliament (I Atp. CLP)
 4. Regulation (EU) 2015/830 of the European Parliament
 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)
- 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 — Ministry of Health and Istituto Superiore di Sanità (Italy)

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 their own responsibility, the laws and provisions in force regarding hygiene and safety. No liability is assumed for improper use.

Provide adequate training to personnel involved in the use of chemical products.

Changes from the previous revision

Changes have been made to the following sections: 03 / 08.

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.