

**AIRLITE IONIQA INTERIOR****Safety data sheet****SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Code: AIRLITE  
 Product name: AIRLITE IONIQA INTERIOR  
 Chemical name and synonym: Acrylic copolymer-based enamel in aqueous dispersion

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

Intended use: Odourless super washable mural enamel for interiors with self-hygienizing, antibacterial and anti-mold properties.

Identified Uses	Industrial	Professional	Consumer
PRODOTTO VERNICIANTE	-	PROC: 10. PC: 9a.	-

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

Name: AM TECHNOLOGY SA  
 Full address: VIA CANTONALE 50  
 District and Country: 6805 MEZZOVICO-VIRA SVIZZERA

Tel. +39 0422 5261

e-mail address of the competent person responsible for the Safety Data Sheet: [benvenuti@airlite.com](mailto:benvenuti@airlite.com)

**1.4. Emergency telephone number**

For urgent inquiries refer to: 118 - EMERGENZA SANITARIA

**SECTION 2. Hazards identification.****2.1. Classification of the substance or mixture.**

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.

Hazard classification and indication: --

**2.2. Label elements.**

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

Hazard pictograms: --

Signal words: --

Hazard statements:  
**EUH208** Contains: 1,2-BENZISOTIAZOL-3(2H)-ONE  
 MISCELA 3:1 5-COLORO-2-METIL-2H-ISOTIAZOL-3-ONE e  
 2-METIL-2H-ISOTIAZOL-3-ONE  
 May produce an allergic reaction.

Precautionary statements:  
**P273** Avoid release to the environment.  
**P501** Dispose of contents / container in conformity to the national regulation.

**AIRLITE IONIQA INTERIOR****SECTION 2. Hazards identification. ... / >>****2.3. Other hazards.**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**SECTION 3. Composition/information on ingredients.****3.1. Substances.**

Information not relevant.

**3.2. Mixtures.****Contains:****Identification. Conc. %. Classification 1272/2008 (CLP).****2-(2-BUTOXYETHOXY)ETHANOL**

CAS. 112-34-5 0 - 0,5 Eye Irrit. 2 H319

EC. 203-961-6

INDEX. 603-096-00-8

Note: Upper limit is not included into the range.

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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

For symptoms and effects caused by the contained substances, see chap. 11.

**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.

**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).

**AIRLITE IONIQA INTERIOR****SECTION 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. Check incompatibility for container material in section 7. 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.**

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

**7.2. Conditions for safe storage, including any incompatibilities.**

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

**7.3. Specific end use(s).**

Information not available.

**SECTION 8. Exposure controls/personal protection.****8.1. Control parameters.**

Regulatory References:

DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
	TLV-ACGIH	ACGIH 2014

**2-(2-BUTOXYETHOXY)ETHANOL****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min	
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm
AGW	DEU	67	10	100,5	15
MAK	DEU	67	10	100,5	15
TLV	ITA	67,5	10	101,2	15
OEL	EU	67,5	10	101,2	15
TLV-ACGIH		66	10		

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

**8.2. Exposure controls.**

Comply with the safety measures usually applied when handling chemical substances.

HAND PROTECTION

None required.

**AIRLITE IONIQ A INTERIOR****SECTION 8. Exposure controls/personal protection. ... / >>****SKIN PROTECTION**

None required.

**EYE PROTECTION**

None required.

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**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.**

Appearance		paste	
Colour		Bianco e tinte di cartella	
Odour		mild	
Odour threshold.		Not available.	
pH.		8.5	
Melting point / freezing point.		Not available.	
Initial boiling point.		Not available.	
Boiling range.		Not available.	
Flash point.	>	60 °C.	
Evaporation rate		Not available.	
Flammability (solid, gas)		Not available.	
Lower inflammability limit.		Not available.	
Upper inflammability limit.		Not available.	
Lower explosive limit.		Not available.	
Upper explosive limit.		Not available.	
Vapour pressure.		Not available.	
Vapour density		Not available.	
Relative density.		1.26 - 1.30 Kg/l	Kg/l
Solubility		Not available.	
Partition coefficient: n-octanol/water		Not available.	
Auto-ignition temperature.		Not available.	
Decomposition temperature.		Not available.	
Viscosity		6 - 8000 Cps	
Explosive properties		Not available.	
Oxidising properties		Not available.	

**9.2. Other information.**

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.

CALCIUM CARBONATE: decomposes at temperatures above 800°C.

**10.2. Chemical stability.**

The product is 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.

2-(2-BUTOXYETHOXY)ETHANOL: can react with oxidising agents. It forms peroxides with atmospheric oxygen. When it reacts with aluminium it can generate hydrogen. May form explosive mixtures with air.

**AIRLITE IONIQA INTERIOR****SECTION 10. Stability and reactivity. ... / >>****10.4. Conditions to avoid.**

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

2-(2-BUTOXYETHOXY)ETHANOL: avoid contact with the air.

**10.5. Incompatible materials.**

CALCIUM CARBONATE: acids.

2-(2-BUTOXYETHOXY)ETHANOL: oxidising substances, strong acids and alkaline metals.

**10.6. Hazardous decomposition products.**

CALCIUM CARBONATE: calcium oxides, carbon oxides.

2-(2-BUTOXYETHOXY)ETHANOL: hydrogen.

**SECTION 11. Toxicological information.****11.1. Information on toxicological effects.**

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.

This product contains sensitizing substance/s and may cause allergic reactions.

2-(2-BUTOXYETHOXY)ETHANOL: can be absorbed by inhalation, ingestion and skin contact; it is irritant to the skin and especially to the eyes; spleen damage may occur. Inhalation is unlikely to occur at room temperature due to the low vapour tension of the substance.

KAOLIN  
LD50 (Oral). > 5000 mg/kg RATTO

TITANIUM DIOXIDE  
LD50 (Oral). > 10000 mg/kg Rat  
LD50 (Dermal). > 10000 mg/kg  
LC50 (Inhalation). > 6,82 mg/l/4h

SODIO ARGENTO ZIRCONIO IDROGENOFOSFATO  
LD50 (Oral). > 5000 mg/kg RATTO  
LD50 (Dermal). > 2000 mg/kg RATTO  
LC50 (Inhalation). > 5,18 mg/l/4h RATTO

2-(2-BUTOXYETHOXY)ETHANOL  
LD50 (Oral). 5660 mg/kg Rat  
LD50 (Dermal). 2700 mg/kg Rabbit

**SECTION 12. Ecological information.****12.1. Toxicity.**

KAOLIN  
LC50 - for Fish. > 100 mg/l/96h  
EC50 - for Crustacea. > 1 mg/l/48h

TITANIUM DIOXIDE  
LC50 - for Fish. > 1000 mg/l/96h Pimephales promelas  
EC50 - for Crustacea. > 100 mg/l/48h Daphnia magna  
EC50 - for Algae / Aquatic Plants. > 10000 mg/l/72h Pseudokirchneriella subcapitata  
Chronic NOEC for Algae / Aquatic Plants. > 5600 mg/l

SODIO ARGENTO ZIRCONIO IDROGENOFOSFATO  
LC50 - for Fish. 643 mg/l/96h  
EC50 - for Algae / Aquatic Plants. 313 mg/l/72h  
Chronic NOEC for Algae / Aquatic Plants. 1 mg/l

**AIRLITE IONIQA INTERIOR****SECTION 12. Ecological information. ... / >>**

2-(2-BUTOXYETHOXY)ETHANOL  
LC50 - for Fish. 1300 mg/l/96h *Lepomis macrochirus static*  
EC50 - for Crustacea. 100 mg/l/48h *Daphnia magna*

**12.2. Persistence and degradability.**

2-(2-BUTOXYETHOXY)ETHANOL  
Solubility in water. mg/l 1000 - 10000  
Rapidly biodegradable.

**12.3. Bioaccumulative potential.**

2-(2-BUTOXYETHOXY)ETHANOL  
Partition coefficient: n-octanol/water. 1

**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 greater than 0,1%.

**12.6. Other adverse effects.**

Information not available.

**SECTION 13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.  
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.****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 MARPOL73/78 and the IBC Code.**

Information not relevant.

**AIRLITE IONIQA INTERIOR****SECTION 15. Regulatory information.****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**Seveso category. None.

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

Contained substance.Point. 55                    2-(2-BUTOXYETHOXY)ETHANOLSubstances in Candidate List (Art. 59 REACH). None.Substances subject to authorisation (Annex XIV REACH). None.Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None.Substances subject to the Rotterdam Convention: None.Substances subject to the Stockholm Convention: None.Healthcare controls. Information not available.

Information not available.

VOC (Directive 2004/42/EC) : Glossy coatings for interior walls and ceilings.VOC given in g/litre of product in a ready-to-use condition : Limit value:VOC of product : 100,00 (2010)- Thinned with : 27,00- Thinned with : 10,00 %                    WATER**15.2. Chemical safety assessment.**

No chemical safety assessment has been processed for the mixture and the substances it contains.

**SECTION 16. Other information.**

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

**Eye Irrit. 2**                    Eye irritation, category 2  
**H319**                        Causes serious eye irritation.

Use descriptor system:

**PC** 9a                        Coatings and paints, thinners, paint removers  
**PROC** 10                    Roller application or brushing

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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

**AIRLITE IONIQA INTERIOR****SECTION 16. Other information. ... / >>**

- IMO: International Maritime Organization
- INDEX NUMBER: 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: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average 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 (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 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

- 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
- ECHA website

## 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.

**AIRLITE IONIQ A INTERIOR**

**SECTION 16. Other information. ... / >>**

Changes to previous review:  
The following sections were modified:  
01.