



Safety Data Sheet dated 21/1/2015, version 2

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

- 1.1. Product identifier
Mixture identification:
Trade name: ARDELAST INTONACHINO 1 mm
Trade code: .556
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Coating ; professional use
Uses advised against:
No specific exclusion are known
- 1.3. Details of the supplier of the safety data sheet
Company:
ARD - F.LLI RACCANELLO SPA
Prima strada, 13 Zona Industriale Nord
35129 PADOVA - ITALY
Tel. +390498060000 Fax. +39049773749 (only available during office hours)
- Competent person responsible for the safety data sheet:
tecnica@ard-raccanello.it
- 1.4. Emergency telephone number
Tel. +390498060000 Fax. +39049773749 (only available during office hours)
Centro antiveleni – Ospedale Niguarda – Milano - tel. +390266101029
Centro antiveleni – Policlinico A.Gemelli – Roma - tel. +39063054343
Centro antiveleni – Ospedale Cardarelli – Napoli - tel.+390817472870

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
Properties / Symbols:
None.
R Phrases:
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- EC regulation criteria 1272/2008 (CLP)
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.
Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
Symbols:
None
Hazard statements:
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with applicable regulations.
- Special Provisions:
None
- Contents
Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1);
: May produce an allergic reaction.
- Special provisions according to Annex XVII of REACH and subsequent amendments:
None
- 2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

- 3.1. Substances
The product is not considered as a substance.
Data not available
- 3.2. Mixtures
Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:
329 ppm Propan-2-ol
Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7
F,Xi; R11-36-67
⚠ 2.6/2 Flam. Liq. 2 H225
⚠ 3.3/2 Eye Irrit. 2 H319
⚠ 3.8/3 STOT SE 3 H336
- 100 ppm Terbutrina

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CAS: 886-50-0, EC: 212-950-5
Xn,Xi,N; R22-43-50/53
⚠ 4.1/A1 Aquatic Acute 1 H400
⚠ 4.1/C1 Aquatic Chronic 1 H410
⚠ 3.1/4/Oral Acute Tox. 4 H302
⚠ 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

No known symptoms to date.

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

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Irrelevant, the product is not flammable.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

May produce toxic fumes of carbon monoxide if burning.

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand.

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s):

Propan-2-ol - CAS: 67-63-0

OEL EU, 200 ppm, 400 ppm

TLV ACGIH, 200 ppm, 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

DNEL Values:

Data not available

PNEC Values:

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- Data not available
- 8.2. Exposure controls
- Eye/ face protection:
Not needed for normal use. Anyway, operate according good working practices.
- Skin protection
- a) protection for hands:
One-time gloves.
- b) other:
No special precaution must be adopted for normal use.
- Respiratory protection:
Not needed for normal use.
- Thermal Hazards:
None
- Environmental exposure controls:
None

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties
- | | |
|---|---------------------------------|
| Appearance and colour: | Dispersion paste various colors |
| Odour: | Characteristic: slightly acrid |
| Odour threshold: | Data not available |
| pH: | 9,0 |
| Melting point / freezing point: | Data not available |
| Initial boiling point and boiling range: | Data not available |
| Solid/gas flammability: | Data not available |
| Upper/lower flammability or explosive limits: | Data not available |
| Vapour density: | Data not available |
| Flash point: | Not flammable |
| Evaporation rate: | Data not available |
| Vapour pressure: | Data not available |
| Relative density: | 1510 - 1660 g/l a 20°C |
| Solubility in water: | Miscible |
| Solubility in oil: | Insoluble |
| Partition coefficient (n-octanol/water): | Data not available |
| Auto-ignition temperature: | Data not available |
| Decomposition temperature: | Data not available |
| Viscosity: | 140000 - 220000 cP 20°C |
| Explosive properties: | Data not available |
| Oxidizing properties: | Data not available |
- 9.2. Other information
- | | |
|---------------------------------------|--------------------|
| Miscibility: | Data not available |
| Fat Solubility: | Data not available |
| Conductivity: | Data not available |
| Substance Groups relevant properties: | Data not available |
- Note: The data herein refer to QC when the product was put on the market.

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
- Toxicological information of the mixture:
Data not available
- Toxicological information of the main substances found in the mixture:
Propan-2-ol - CAS: 67-63-0
- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit = 12.8 g/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat = 72.6 mg/L
Test: LD50 - Route: Oral - Species: Rat = 5045 mg/kg - Duration: 4h
- If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:
- a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;

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- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Propan-2-ol - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: IC50 - Species: Fish > 6.55 g/L - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 13299 mg/L - Duration h: 48

Terbutrina - CAS: 886-50-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 0.0067 mg/L - Duration h: 48

12.2. Persistence and degradability

Propan-2-ol - CAS: 67-63-0

Biodegradability: Readily biodegradable - Test: Biochemical oxygen demand - Duration: Data not available - %:
Data not available - Notes: Test OECD 301E

12.3. Bioaccumulative potential

Propan-2-ol - CAS: 67-63-0

Bioaccumulation: Not bioaccumulative - Test: log Kow 0.05 - Duration: Data not available - Notes: Data not available

Terbutrina - CAS: 886-50-0

Bioaccumulation: Not bioaccumulative - Test: log Kow 3.2 - Duration: Data not available - Notes: Data not available

12.4. Mobility in soil

Data not available

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Waste should not be disposed of by release to sewers.

Contaminated packaging thinners and cleaning diluents must be landfilled.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Data not available

14.3. Transport hazard class(es)

Data not available

14.4. Packing group

Data not available

14.5. Environmental hazards

ADR-Environmental Pollutant: No

Data not available

14.6. Special precautions for user

Data not available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Data not available

SECTION 15: Regulatory information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances).

Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations).

DIR.2004/42/CE. Subcategory c Type BA limit COV 40 g/l. Contained in product < 40 g/l.

Regulation (EU) No 528/2012 and subsequent amendments.

This product contains biocides with algaecide and fungicide properties.

Active ingredients:

Zinc pyrithione

2-ottil-2H-isotiazol-3-one

Terbutryn

Dir. 98/24/EC (Risks related to chemical agents at work).

Directive 2000/39/CE (Occupational exposure limit values) and subsequent modifications: 2004/37/CE, 2006/15/CE and 2009/161/UE.

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 453/2010 (Annex I)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

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Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R11 Highly flammable.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.

Paragraphs modified from the previous revision:

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

SECTION 2: Hazards identification

SECTION 3: Composition/information on ingredients

SECTION 4: First aid measures

SECTION 8: Exposure controls/personal protection

SECTION 9: Physical and chemical properties

SECTION 11: Toxicological information

SECTION 12: Ecological information

SECTION 15: Regulatory information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

The ECHA database on registered substances.
ESIS- European chemical Substances Information System.
eChemPortal- the global portal to Information on Chemical Substance.
GESTIS substance database.
Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend of acronyms and abbreviations used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EC50: Median effective concentration expected to produce a certain effect in 50% of test organisms
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of notified Chemical Substances
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IC50: Half maximal inhibitory concentration.
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LTE: Long-term exposure.
NOEC: No Observed Effect Concentration
Numero EC: EINECS and ELINCS Number
OEL:
PBT: Persistent, Bioaccumulative and Toxic substance
PNEC: Predicted No Effect Concentration.
REACH: Regulation (EC) No 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals

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RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
SVHC:	Substances of Very High Concern
TLV:	Threshold Limiting Value.
UE:	European Union
vPvB:	Very Persistent and Very Bioaccumulative