



Safety Data Sheet dated 20/5/2015, version 3

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

- 1.1. Product identifier
Mixture identification:
Trade name: ardfix
Trade code: .0700000
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Coating for preparation ; professional use - for the final consumer
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.
- EC regulation criteria 1272/2008 (CLP)
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Symbols:
None
Hazard statements:
None
Precautionary statements:
None
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:
1% - 3% HYDROCARBONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
REACH No.: 01-2119463258-33, EC: 919-857-5
Xn; R67-10-65-66
⚠ 2.6/3 Flam. Liq. 3 H226
⚠ 3.10/1 Asp. Tox. 1 H304
⚠ 3.8/3 STOT SE 3 H336
DECLP*
DECLP (CLP)*

*DECLP: Substance classified accordingly to Note P of the Annex I of directive 67/548/EEC. The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1% w/w of benzene.

*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The classification

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as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

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:

Get medical advice/attention if you feel unwell.

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.

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.

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):

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

DFG - LTE(8h): 1200 mg/m³, 197 ppm

TLV ACGIH - LTE(8h): 1200 mg/m³, 197 ppm

DNEL Values:

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Worker Professional: 871 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 871 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Exposure: Human Dermal - Frequency: Long Term, local effects - Endpoint: Hazard Identified but no value available

Exposure: Human Inhalation - Frequency: Long Term, local effects - Endpoint: Hazard Identified but no value available

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available

PNEC Values:

HYDROCARBONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Target: Marine water - Type of hazard: Hazard Identified but no value available

Target: Fresh Water - Type of hazard: Hazard Identified but no value available

Target: Food chain - Type of hazard: Hazard Identified but no value 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:	White fluid dispersion
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:	1000 - 1025 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:	1000 - 3000 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:

HYDROCARBONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m3

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

a) acute toxicity;

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- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- 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.

HYDROCARDONS C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1000 mg/L - Duration h: 48 - Notes: EL0 - Daphnia magna

Endpoint: IC50 - Species: Algae > 1000 mg/L - Duration h: 72 - Notes: EL50 - Pseudokrchneriella subcapitata

Endpoint: LC50 - Species: Fish > 1000 mg/L - Duration h: 96 - Notes: LL50 - Oncorhynchus mykiss

12.2. Persistence and degradability

Data not available

12.3. Bioaccumulative potential

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 h Type BA limit COV 30 g/l. Contained in product < 30 g/l.

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

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)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

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)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):
Data not available

15.2. Chemical safety assessment
No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.

Paragraphs modified from the previous revision:

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 14: Transport 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.

Safety data Sheet available on request.

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
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