



Safety Data Sheet dated 3/10/2014, version 2

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

- 1.1. Product identifier
Mixture identification:
Trade name: IDROSMALTO LUCIDO
Trade code: .137
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Paint ; 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)
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
Octhilinone (ISO); 2-octyl-2H-isothiazol-3-one: May produce an allergic reaction.
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:
0.5% - 0.99% 2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether
REACH No.: 01-2119475104-44, Index number: 603-096-00-8, CAS: 112-34-5, EC: 203-961-6
Xi; R36
⚠ 3.3/2 Eye Irrit. 2 H319
- 495 ppm 3-Iodo-2-propynyl butylcarbamate
CAS: 55406-53-6, EC: 259-627-5
Xn,Xi,N; R37-43-20/22-41-50
⚠ 3.1/4/Oral Acute Tox. 4 H302

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-  4.1/C1 Aquatic Chronic 1 H410
-  3.8/3 STOT SE 3 H335
-  3.1/4/Inhal Acute Tox. 4 H332
-  4.1/A1 Aquatic Acute 1 H400
-  3.3/1 Eye Dam. 1 H318
-  3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317

448 ppm Octhilynone (ISO); 2-octyl-2H-isothiazol-3-one
Index number: 613-112-00-5, CAS: 26530-20-1, EC: 247-761-7
T,Xn,Xi,C,N; R22-23/24-34-43-50/53

-  3.2/1B Skin Corr. 1B H314
-  3.4.2/1A Skin Sens. 1A H317
-  4.1/A1 Aquatic Acute 1 H400
-  4.1/C1 Aquatic Chronic 1 H410
-  3.1/3/Dermal Acute Tox. 3 H311
-  3.1/3/Inhal Acute Tox. 3 H331
-  3.1/4/Oral Acute Tox. 4 H302

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

None

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

Treatment:

None

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

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8.1. Control parameters

Exposure limit(s):

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

OEL EU - LTE(8h): 67,5 mg/m³, 10 ppm - STE: 101,2 mg/m³, 15 ppm - Notes: Bold-type: Indicative

Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

TLV ACGIH, 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff

DNEL Values:

Data not available

PNEC Values:

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: Fluid dispersion various colors

Odour: Characteristic: slightly acrylic

Odour threshold: Data not available

pH: 8.9

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: 1025 - 1250 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: 6500 - 8500 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:

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

a) acute toxicity:

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

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- Test: LD50 - Route: Skin - Species: Rabbit = 2764 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit Positive
 - c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Positive
 - d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative
 - e) germ cell mutagenicity:
Test: Mutagenesis Negative - Notes: OECD 471
 - g) reproductive toxicity:
Test: Reproductive Toxicity Negative
- Octhilineone (ISO); 2-octyl-2H-isothiazol-3-one - CAS: 26530-20-1
- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
 - b) skin corrosion/irritation:
Test: Skin Corrosive Positive
 - c) serious eye damage/irritation:
Test: Eye Corrosive Positive
 - d) respiratory or skin sensitisation:
Test: Skin Sensitization Positive

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;
- 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.

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

a) Aquatic acute toxicity:

- Endpoint: EC50 - Species: Daphnia > 100 mg/L - Duration h: 48 - Notes: Daphnia magna
- Endpoint: EC50 - Species: Daphnia = 2850 mg/L - Duration h: 24 - Notes: Daphnia magna
- Endpoint: IC50 - Species: Algae > 100 mg/L - Duration h: 96 - Notes: Scenedesmus subspicatus
- Endpoint: LC50 - Species: Fish = 1300 mg/L - Duration h: 96 - Notes: Lepomis macrochirus
- Endpoint: LC50 - Species: Fish = 2700 mg/L - Duration h: 24 - Notes: Carassius auratus

3-Iodo-2-propynyl butylcarbamate - CAS: 55406-53-6

a) Aquatic acute toxicity:

- Endpoint: EC50 - Species: Daphnia = 0.47 mg/L - Duration h: 48
- Endpoint: EC50 - Species: Algae = 0.097 mg/L - Duration h: 72
- Endpoint: LC50 - Species: Fish = 0.192 mg/L - Duration h: 96

Octhilineone (ISO); 2-octyl-2H-isothiazol-3-one - CAS: 26530-20-1

a) Aquatic acute toxicity:

- Endpoint: IC50 - Species: Algae = 0.084 mg/L - Duration h: 72 - Notes: Scenedesmus subspicatus
- Endpoint: EC50 - Species: Daphnia = 0.42 mg/L - Duration h: 48 - Notes: Daphnia magna
- Endpoint: LC50 - Species: Fish = 0.036 mg/L - Duration h: 96 - Notes: Oncorhynchus mykiss

12.2. Persistence and degradability

Data not available

12.3. Bioaccumulative potential

3-Iodo-2-propynyl butylcarbamate - CAS: 55406-53-6

Bioaccumulation: Not bioaccumulative - Test: log Kow 2.8 - 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)

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- Data not available
- 14.4. Packing group
Data not available
- 14.5. Environmental hazards
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 b Type BA limit COV 100 g/l. Contained in product < 100 g/l.
Regulation (EU) No 528/2012 and subsequent amendments.
This product contains biocides with algaecide and fungicide properties.
Active ingredients:
2-ottil-2H-isotiazol-3-one
3-iodoprop-2-ynyl N-butylcarbamate (IPBC)
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)
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:
R20/22 Harmful by inhalation and if swallowed.
R22 Harmful if swallowed.
R23/24 Toxic by inhalation and in contact with skin.
R34 Causes burns.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H319 Causes serious eye irritation.
H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.
H335 May cause respiratory irritation.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H314 Causes severe skin burns and eye damage.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.

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 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.

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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
Número 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