

Firmenich

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (as amended)

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

979031
ROMANDOLIDE®
© Firmenich product

CAS No: 236391-76-7
EC No: 431-700-8
REACH No: 01-0000017792-64

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

Concentrated aromatic raw material.
Not for personal use in this form or concentration.
Intended to be used in the manufacture of products for consumers.

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number

Tel: +41.22.780.37.90
Available 24/7 (NCEC)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) N° 1272/2008 [CLP/GHS]

Environmental Hazard (chronic) - Cat. 2 H411

2.1.2 Classification according to 67/548/EEC or 1999/45/EC as amended

Symbols:
N Dangerous for the environment

Risks Phrases:
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.1.3 Additional information

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Full text of R- and S-phrases: see section 16

2.2 Label elements

Hazard pictograms:



Signal Word:

Hazard Statements:

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P273 Avoid release to the environment.

P391 Collect spillage.

Hazard Inducers:

Acetic acid, (1-oxopropoxy)-, 1-(3,3-dimethylcyclohexyl) ethyl ester (9CI)

2.3 Other hazards

No data available at this time.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical substance.

Contains :

99.0 - 100.0% Acetic acid, (1-oxopropoxy)-, 1-(3,3-dimethylcyclohexyl) ethyl ester (9CI)
N° CAS : 0236391-76-7 / N° ELINCS: 431-700-8
Classification: N - R51/53
GHS Classification:
Environmental Hazard (chronic) - Cat. 2

4 FIRST-AID MEASURES

4.1 Description of first aid measures

General information:

As in all cases of potential poisoning, Obtain medical advice immediately.

In case of eye contact:

Irrigate copiously with water for at least 10 minutes. Obtain medical advice if any irritation or evidence of tissue damage persists.

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In case of inhalation:

Remove the individual to fresh air and keep at rest. Obtain medical advice immediately.

In case of skin contact:

Remove contaminated clothes. Wash skin with large volumes of water.

If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately.

In case of ingestion:

Rinse mouth with water. Obtain medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No specific data available.

No information available on the product itself.

4.3 Indication of immediate medical attention and special treatment needed

No specific data available.

None known.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

In the event of fire, adequate extinguishers should be used. Avoid inhalation of smoke and fumes. In case of insufficient ventilation, wear suitable respiratory equipment.

5.2 Special hazard arising from the substance or mixture

No specific hazard known.

5.3 Advice for fire-fighters

No specific advice.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Adequate protective gloves should be worn when handling spillages. No smoking. Avoid naked flames or other potential sources of ignition (eg. electrical equipment).

Avoid skin contamination and inhalation of vapour.

Individual washing routines should be followed after any potential contact.

Ensure adequate ventilation in working areas following accidental releases.

For emergency personnel:

Apply the same recommendations as section 6.1

6.2 Environmental precautions

Do not discharge directly into drains, air, into soil or into the aquatic environment.

6.3 Methods and material for containment and cleaning up

For containment:

Any absorbent used for cleaning up spillage should be disposed promptly, accordingly to local regulation.

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Gross spillages should be contained by any means, and disposal of this should be in accordance with Government Regulations.

For cleaning-up:
Spillages should be disposed of in accordance with Governmental Regulations.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.
Wear adequate protective gloves protection and eye/face protection.
No smoking. Avoid any sources of ignition.
Avoid exposing to high temperature during processing.
Do not ingest or apply to the skin as such. Good personal washing routines should be followed.
Maintain adequate local and general ventilation where product is handled.

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed.

7.2 Conditions for safe storage, including any incompatibilities

It is good general practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature. Do not re-use the empty container.
Respect general rules for compatibility storage.

7.3 Specific end use(s)

Not available at this time.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

-

8.2 Exposure controls

Avoid exposing to high temperature during processing.
Maintain adequate local and general ventilation where product is handled.

8.2.1 Appropriate engineering controls

Maintain adequate local and general ventilation where product is handled and dispensed.

8.2.2 Environmental exposure controls

Not available at this time. Minimize release to the environment.

8.3 Personal protection

Respiratory protection: Where ventilation (LEV) is inadequate to prevent any inhalation of substances, use adequate respiratory apparatus.

Hand protection: Adequate Protective Gloves should be worn.

Eye protection: Adequate safety glasses should be used.

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Skin protection: Wear protective clothing, overall if necessary to limit the odour contamination of personal clothing. Individual washing routines should be followed after any potential contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance :	LIQUID
Colour :	COLOURLESS
Odour :	Characteristic strong odour according to the commercial description of the substance.
pH :	Not available
Melting point/range (°C) :	Not available
Initial boiling point/range (°C) :	Not available
Flash point (closed cup) :	= 152°C
Evaporation rate :	Not available
Flammability (solid/gas) :	Not available
Upper/lower flammability or explosive limits :	Not available
Vapour pressure (Pa) :	133.3226
Vapour density :	Not available
Relative density (d 20/20) :	1.005 - 1.011
Water solubility (20°C) :	Not available
Partition coef. (n-octanol/water) :	Not available
Auto-ignition temperature (°C) :	Not available
Decomposition temperature :	Not available
Viscosity :	Not available
Explosive properties :	Not available
Oxidizing properties :	Not available

10 STABILITY AND REACTIVITY

10.1 Reactivity

No reaction known with water.

10.2 Chemical stability

Good stability at standard temperature.

10.3 Possibility of hazardous reactions

Not known.

10.4 Conditions to avoid

Avoid temperatures above or at least 5 °C below flash point for any flammable liquids.
Do not heat closed containers.
Avoid contact with oxidizing agents.

10.5 Incompatible materials

Not known.

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10.6 Hazardous decomposition products

Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.

11 TOXICOLOGICAL INFORMATION

LD50 (oral, rat)(OECD 401): > 2000 mg/kg
LD50 (dermal, rat)(OECD 402): > 2000 mg/kg
Irritation (dermal, rabbit)(OECD 404): Non irritant @ 100%
Irritation (ocular, rabbit)(OECD 405): Non irritant @ 100%
Sensitization (Guinea pig Max.)(OECD 406): Non sensitizing
Sub-acute toxicity (28-d, oral, rat)(OECD 407): NOAEL = 44 mg/kg/day
Mutagenicity (OECD 471): Non mutagenic
Mutagenicity (OECD 473): Non clastogenic

12 ECOLOGICAL INFORMATION

Acute toxicity Fish (OECD 203): 96-h LC50 = 1.26 mg/l
Acute toxicity Fish (OECD 203): 96-h LC50 = 1.6 mg/l
Acute toxicity Daphnia (OECD 202): 48-h EC50 > 3.16 mg/l
Acute toxicity Algae (OECD 201): 72-h EC50 > 4.19 mg/l
Ready biodegradability (OECD 301F): 54%
Ready biodegradability (OECD 301D): 68% = readily biodegradable
Sludge inhibitory test (OECD 209): 3-h EC50 > 100 mg/l

13 DISPOSAL CONSIDERATIONS

Residual quantities of the product should be treated according to the instructions given under points 6, 7 and 8 above. Wastes should be eliminated according to national or regional regulatory requirements currently in force.

Minimize release to the environment.

14 TRANSPORT INFORMATION

In case of accidental spillage or fire during transport, refer to instructions given under points 5, 6, 7 and 8 above.

14.1 UNO

UN-No: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(OXOPROPOXYCYCLOHEXYL ETHYL ACET.)
Class: 9
Packing Group: III
Hazardous to the Environment

14.2 Land transport (ADR/RID)

UN-No: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(OXOPROPOXYCYCLOHEXYL ETHYL ACET.)

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Class: 9
Packing group: III

14.3 Sea transport (IMDG-Code)

UN-No: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(OXOPROPOXYCYCLOHEXYL ETHYL ACET.)
Class: 9
Packing group: III
Marine pollutant

14.4 Air transport (ICAO-IATA)

UN-No: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(OXOPROPOXYCYCLOHEXYL ETHYL ACET.)
Class: 9
Packing group: III

15 REGULATORY INFORMATION

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

EU Regulations

No relevant information available at this time.

15.2 Chemical Safety Assessment

No data available at this time.

16 OTHER INFORMATION

16.1 Revisions

01-Dec-2010: Version 1.1 - First version validated for publication

16.2 Key literature references

RIFM database
OECD SIDS
EU IUCLID
Supplier information

16.3 Risk & Safety Phrases used under section 2

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S57 Use appropriate container to avoid environmental contamination.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

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P273 Avoid release to the environment.
P391 Collect spillage.

16.4 Risk Phrases used under section 3

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Firmenich, it is the user's obligation to determine conditions of safe use of the product.

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