



Safety Data Sheet dated 28/5/2015, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: diluente sintetico rapido

Trade code: .9760040

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

Recommended use:

Thinner ; 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:

 Xn Harmful

 N Dangerous for the environment

R Phrases:

R10 Flammable.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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


R65 Harmful: may cause lung damage if swallowed.


R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.


EC regulation criteria 1272/2008 (CLP)

 Warning, Flam. Liq. 3, Flammable liquid and vapour.

 Warning, STOT SE 3, May cause drowsiness or dizziness.

 Danger, STOT RE 1, Causes damage to organs through prolonged or repeated exposure.

 Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.

 Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:



Danger

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260.G P260.G.1

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use a dry powder or a foam fire extinguisher for extinction.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

PACK1 The packing must be featured by a safety lock for children.

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- PACK2 The packing must have tactile indications of danger for blind people.
- Contents
HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hydrocarbons, C9, aromatics
- 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:

70% - 80% HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

REACH No.: 01-2119458049-33, EC: 919-446-0

Xn,N; R48/20-10-65-51/53-66-67

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.9/1 STOT RE 1 H372

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.8/3 STOT SE 3 H336

⚠ 4.1/C2 Aquatic Chronic 2 H411

EUH066

DECLP*

DECLP (CLP)*

15% - 20% Hydrocarbons, C9, aromatics

REACH No.: 01-2119455851-35, EC: 918-668-5

Xn,Xi,N; R10-37-51/53-65-66-67

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.8/3 STOT SE 3 H336

⚠ 3.8/3 STOT SE 3 H335

⚠ 4.1/C2 Aquatic Chronic 2 H411

EUH066

DECLP*

DECLP (CLP)*

9% - 12% 2-Methoxy-1-methylethyl acetate

REACH No.: 01-2119475791-29, Index number: 607-195-00-7, CAS: 108-65-6, EC: 203-603-9

R10; substance with a Community workplace exposure limit

⚠ 2.6/3 Flam. Liq. 3 H226

*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 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:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with 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:

If breathing is irregular or stopped, administer artificial respiration. If the person is unconscious, lay on one side keeping the head straight in order to facilitate vomiting.

Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.

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

Pulmonary oedema

Drowsiness

Dizziness

Nausea

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if

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possible).
Treatment:
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Use dry chemical or foam extinguishers.
Extinguishing media which must not be used for safety reasons:
Direct water jet.

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 .
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 all sources of ignition.
Provide adequate ventilation.
Use appropriate respiratory protection.
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.

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.
Use localized ventilation system.
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 unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s):

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
TLV ACGIH - LTE(8h): 300 mg/m³, 52 ppm

Hydrocarbons, C9, aromatics
DFG - LTE(8h): 100 mg/m³, 19 ppm
TLV ACGIH - LTE(8h): 100 mg/m³

2-Methoxy-1-methylethyl acetate - CAS: 108-65-6

OEL EU - LTE(8h): 275 mg/m³, 50 ppm - STE: 550 mg/m³, 100 ppm - Notes: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

DNEL Values:

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Worker Professional: 330 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 44 mg/kg - Exposure: Human Dermal - 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

Hydrocarbons, C9, aromatics

Worker Professional: 25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 150 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

PNEC Values:

.9760040/2

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HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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

Target: Freshwater sediments - Type of hazard: Hazard Identified but no value available

Hydrocarbons, C9, aromatics

Target: Fresh Water - Type of hazard: No Risk Identified

Target: Marine water - Type of hazard: No Risk Identified

Target: Soil (agricultural) - Type of hazard: No Risk Identified

8.2. Exposure controls

Eye/ face protection:

Eye glasses with side protection.

For spray application, use basket eye glasses.

Skin protection

a) protection for hands:

NBR (nitrile rubber) gloves.

PVA (Polyvinyl alcohol) gloves.

In case of a prolonged use employ suitable protective gloves.

b) other:

Overall.

Respiratory protection:

Half-face mask DIN EN 140 with filter "A" , brown colour

For spray application, use mask according to EN 405 with filter type PA or universal.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: Colorless transparent solution

Odour: Characteristic: hydrocarbons

Odour threshold: Data not available

pH: Irrelevant

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: 43°C (ISO 13736)

Evaporation rate: Data not available

Vapour pressure: Data not available

Relative density: 805 - 812 g/l a 20°C

Solubility in water: Insoluble

Solubility in oil: Miscible

Partition coefficient (n-octanol/water): Data not available

Auto-ignition temperature: Data not available

Decomposition temperature: Data not available

Viscosity: <30s ISO 2431 3mm (metodo EN535)

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

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

Data not available

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Toxicological information of the main substances found in the mixture:

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

a) acute toxicity:

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

Test: LD50 - Route: Skin - Species: Rabbit > 4 ml/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 13.1 mg/L - Duration: 4h

Hydrocarbons, C9, aromatics

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m³ - Duration: 4h

2-Methoxy-1-methylethyl acetate - CAS: 108-65-6

a) acute toxicity:

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

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.

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

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 10 mg/L - Duration h: 48 - Notes: 10-22 mg/l Daphnia magna

Endpoint: EC50 - Species: Algae = 4.6 mg/L - Duration h: 72 - Notes: 4.6-10 mg/l -Pseudokirchnerilla subcapitata

Endpoint: LC50 - Species: Fish = 50 mg/L - Duration h: 96 - Notes: LL50 10-30 mg/l -Oncorhynchus mykiss

Hydrocarbons, C9, aromatics

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 3.2 mg/L - Duration h: 48 - Notes: EL50 - Daphnia magna

Endpoint: LC50 - Species: Fish = 9.2 mg/L - Duration h: 96 - Notes: II50 - Onocorhynchus mykiss

Endpoint: EC50 - Species: Algae = 2.9 mg/L - Duration h: 72 - Notes: ErL50 - Pseudokirchnerilla subcapitata

2-Methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 408 mg/L - Duration h: 48

Endpoint: IC50 - Species: Algae > 1000 mg/L - Duration h: 72

Endpoint: LC50 - Species: Fish > 100 mg/L - Duration h: 96

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. Send to authorised disposal plants or for incineration under controlled conditions. 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

ADR-UN number: UN 1263

14.2. UN proper shipping name

ADR-Shipping Name: Paint related material, environmentally hazardous

14.3. Transport hazard class(es)

ADR-Class: 3

14.4. Packing group

ADR-Packing Group: III

14.5. Environmental hazards

ADR-Environmental Pollutant: Yes

14.6. Special precautions for user

ADR-Tunnel Restriction Code: D/E

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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. Unsuitable
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.
R37 Irritating to respiratory system.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.
H372 Causes damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
H335 May cause respiratory irritation.

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 6: Accidental release measures
SECTION 7: Handling and storage
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:

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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