

Safety Data Sheet



LZD101 DILUENTE Ritardante per PU - Retardant Thinner for PU

Safety Data Sheet dated 4/12/2018, version 1

1. Identification

GHS Product identifier

Mixture identification:

Trade name:

DILUENTE Ritardante per PU - Retardant Thinner for PU

Other means of identification

Trade code:

LZD101

Recommended use and restrictions on use

Recommended use:

Industrial and professional uses (SU3 - SU22)

Thinner for paints and varnishes

Solvent

Supplier's details

Company:

NUOVA S.I.V.A.M. SpA - Via Monviso, 10 - 20010 BAREGGIO (MI) - Tel. +39 02 90304.1

Importer:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.

7900 Henri-Bourassa Blvd. W.

Montreal, Quebec, Canada, H4S 1V4

Tel :+1-514-832-4010

Emergency phone number for Canada: Canutec (613) 996-6666

Distributor:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.

7900 Henri-Bourassa Blvd. W.

Montreal, Quebec, Canada, H4S 1V4

Tel :+1-514-832-4010

Emergency phone number for Canada: Canutec (613) 996-6666

Competent person responsible for the safety data sheet:

msds@sivam.it

Emergency phone number

NUOVA S.I.V.A.M. SpA - Tel. +39 02 90304.1 (Monday - Friday 8.00 - 15.00)

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39 02 66101029 (24 h)

2. Hazard identification

Classification of the hazardous product

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

⚠ Danger, Repr. 1B, May damage fertility or the unborn child.

GHS label elements, including precautionary statements

Hazard pictograms:



Danger

Hazard statements:

H226 Flammable liquid and vapour.

H360 May damage fertility or the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P370+P378 In case of fire, use alcohol resistant foam, dry chemical, CO2, water spray. Do not use water jet.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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P501 Dispose of contents/container in accordance with applicable regulations.
 Special provisions
 None
 Other hazards
 None
 Ingredient(s) with unknown acute toxicity
 None.

3. Composition/Information on ingredients

Substances
 N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

Qty	Name	Ident. Number	Classification
>= 0.1% - < 0.3%	2-methoxypropyl acetate	Index number: 607-251-00-0 CAS: 70657-70-4 EC: 274-724-2	 B.6/3 Flam. Liq. 3 H226  A.7/1B Repr. 1B H360  A.8/3 STOT SE 3 H335

4. First-aid measures

Description of necessary first-aid measures
 In case of skin contact:
 Immediately take off all contaminated clothing.
 Remove contaminated clothing immediately and dispose off safely.
 In case of eyes contact:
 In case of contact with eyes, 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.
 Most important symptoms/effects, acute and delayed
 None
 Indication of immediate medical attention and special treatment needed, if necessary
 In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
 Treatment:
 None

5. Fire-fighting measures

Suitable and unsuitable extinguishing media
 Suitable extinguishing media:
 In case of fire, use alcohol resistant foam, dry chemical, CO2, water spray. Do not use water jet.
 Unsuitable extinguishing media:
 None in particular.
 Specific hazards arising from the hazardous product
 Do not inhale explosion and combustion gases.
 Burning produces heavy smoke.
 Hazardous combustion products:
 None
 Explosive properties: N.D. in volume
 Oxidizing properties: N.D.
 Special protective equipment and precautions for fire-fighters
 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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
 Wear personal protection equipment.
 Remove all sources of ignition.
 Wear breathing apparatus if exposed to vapours/dusts/aerosols.
 Provide adequate ventilation.
 Remove persons to safety.
 Use appropriate respiratory protection.
 See protective measures under point 7 and 8.

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Methods and material for containment and cleaning up
Wash with plenty of water.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Exercise the greatest care when handling or opening the container.
Do not use on extensive surface areas in premises where there are occupants.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Avoid accumulating electrostatic charge.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
Safety electric system.
Storage temperature:
Store at ambient temperature.

8. Exposure controls/personal protection

Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

Appropriate engineering controls

None

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Eye glasses with side protection. (EN166)

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable gloves type:(EN374)

Suitable material:

NBR (nitrile rubber).

Butyl caoutchouc (butyl rubber).

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. Physical and chemical properties

Appearance and colour:	colourless fluid
Odour:	typical
Odour threshold:	N.D.
pH:	N.A.
Melting point / freezing point:	- 66 °C
Initial boiling point and boiling range:	145 °C
Flash point:	45 °C
Evaporation rate:	N.D.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	7% - 1.5% Vol.
Vapour pressure:	3.55 hPa (20 °C)
Vapour density:	4.6
Relative density:	0.960 - 0.967
Solubility in water:	198 g/l
Solubility in oil:	partial
Partition coefficient (n-octanol/water):	1.2

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Auto-ignition temperature: 333 °C
Decomposition temperature: N.D. °C
Viscosity: N.D.

10. Stability and reactivity

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), and nitrides.

It may catch fire on contact with oxidising mineral acids, powerful oxidising agents, and powerful reducing agents.

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

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

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Toxicological information of the product:

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a) acute toxicity

Not classified

No data available for the product

b) skin corrosion/irritation

Not classified

No data available for the product

c) serious eye damage/irritation

Not classified

No data available for the product

d) respiratory or skin sensitisation

Not classified

No data available for the product

e) germ cell mutagenicity

Not classified

No data available for the product

f) carcinogenicity

Not classified

No data available for the product

g) reproductive toxicity

The product is classified: Repr. 1B H360

h) STOT-single exposure

Not classified

No data available for the product

i) STOT-repeated exposure

Not classified

No data available for the product

j) aspiration hazard

Not classified

No data available for the product

Toxicological information of the main substances found in the product:

N.A.

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. Ecological information

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards
No data available for the product
Persistence and degradability
N.A.
Bioaccumulative potential
N.A.
Mobility in soil
N.A.
Other adverse effects
None

13. Disposal considerations

Safe handling and methods for disposal
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.

14. Transport information



UN number	
TDG number:	UN3272
ADR-UN Number:	3272
DOT number:	UN3272
IATA-UN Number:	3272
IMDG-UN Number:	3272
UN proper shipping name	
TDG-Shipping Name:	ESTERS, N.O.S.(2-methoxy-1-methylethyl acetate)
ADR-Shipping Name:	ESTERS, N.O.S.(2-methoxy-1-methylethyl acetate)
DOT-Shipping Name:	Esters, n.o.s.(2-methoxy-1-methylethyl acetate)
ADR-Technical Name:	Esters, n.o.s. (2-methoxy-1-methylethyl acetate)
IATA-Shipping Name:	ESTERS, N.O.S.(2-methoxy-1-methylethyl acetate)
IATA-Technical name:	Esters, n.o.s. (2-methoxy-1-methylethyl acetate)
IMDG-Shipping Name:	ESTERS, N.O.S.(2-methoxy-1-methylethyl acetate)
IMDG-Shipping name:	Esters, n.o.s. (2-methoxy-1-methylethyl acetate)
Transport hazard class(es)	
TDG Class:	3
ADR-Class:	3
DOT Hazard Class:	3
ADR - Hazard identification number:	30
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3
Packing group	
TDG Packing group:	III
ADR-Packing Group:	III
DOT Packing group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
Environmental hazards	
ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)	
N.A.	
Special precautions in connection with transport or conveyance	
Rail (RID):	3
TDG Special provisions:	16
DOT Special provisions:	B1, IB3, T4, TP1, TP29
ADR-Subsidiary risks:	-
ADR-S.P.:	274 601
ADR-Transport category (Tunnel restriction code):	3 (D/E)
IATA-Passenger Aircraft:	355
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	366

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IATA-S.P.:	A3
IATA-ERG:	3L
IMDG-EmS:	F-E , S-D
IMDG-Subsidiary risks:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory

Substance(s) listed under NPRI:

None.

DSL inventory - Domestic substances list

no substances listed

NDSL inventory - Not Domestic substances list

no substances listed

TSCA inventory

List of substances included in the TSCA inventory: no substances listed

no substances listed

TSCA listed substances:

None.

USA - Federal regulations

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

No substances listed.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No substances listed.

Volatile Organic compounds - VOCs = 100.00 %

Volatile Organic compounds - VOCs = 970.00 g/l

Volatile CMR substances = 0.20 %

Organic Carbon - C = 0.55

16. Other information

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H360 May damage fertility or the unborn child.

H335 May cause respiratory irritation.

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Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

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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.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average