

Safety Data Sheet



LXA080 ADDITIVO elettrostatico

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

1. Identification

GHS Product identifier

Mixture identification:

Trade name: ADDITIVO elettrostatico

Other means of identification

Trade code: LXA080

Recommended use and restrictions on use

Recommended use:

Industrial and professional uses (SU3 - SU22)

Paint additive

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

- ⚠ Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
- ⚠ Danger, Skin Corr. 1C, Causes severe skin burns and eye damage.
- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.
- ⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
- ⚠ Aquatic Acute 2, Toxic to aquatic life.
- ⚠ Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

GHS label elements, including precautionary statements

Hazard pictograms:



Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H314 Causes severe skin burns and eye damage.
- H336 May cause drowsiness or dizziness.
- H401 Toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 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.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash ... Thoroughly after handling.

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P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor/...
 P312 Call a POISON CENTER/ doctor/if you feel unwell.
 P321 Specific treatment (see ... On this label).
 P363 Wash contaminated clothing before reuse.
 P370+P378 In case of fire: Use ... to extinguish.
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 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 |
|----------------|---|---|--|
| >= 65% - < 85% | isobutyl acetate [2] | Index number: 607-026-00-7 CAS: 110-19-0 EC: 203-745-1 REACH No.: 01-2119488971-22 | ⚠ B.6/2 Flam. Liq. 2 H225 ⚠ A.8/3 STOT SE 3 H336 |
| >= 10% - < 30% | Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates | EC: 939-607-9 REACH No.: 01-2119977130-42 | ⚠ A.1/3/Dermal Acute Tox. 3 H311 ⚠ A.1/4/Oral Acute Tox. 4 H302 ⚠ A.2/1C Skin Corr. 1C H314 ⚠ A.3/1 Eye Dam. 1 H318 ⚠ CAN-HAE/A1 Aquatic Acute 1 H400 ⚠ CAN-HAE/C1 Aquatic Chronic 1 H410 |
| >= 1% - < 5% | butan-1-ol; n-butanol | Index number: 603-004-00-6 CAS: 71-36-3 EC: 200-751-6 REACH No.: 01-2119484630-38 | ⚠ B.6/3 Flam. Liq. 3 H226 ⚠ A.8/3 STOT SE 3 H335 ⚠ A.2/2 Skin Irrit. 2 H315 ⚠ A.3/1 Eye Dam. 1 H318 ⚠ A.8/3 STOT SE 3 H336 ⚠ A.1/4/Oral Acute Tox. 4 H302 |

The actual concentration of the components listed above is withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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Protect uninjured eye.
In case of Ingestion:
Do NOT induce vomiting.
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 ... to extinguish.
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.
Remove persons to safety.
See protective measures under point 7 and 8.
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.
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
isobutyl acetate [2] - CAS: 110-19-0
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
butan-1-ol; n-butanol - CAS: 71-36-3

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ACGIH - TWA(8h): 20 ppm - Notes: Eye and URT irr

DNEL Exposure Limit Values

isobutyl acetate [2] - CAS: 110-19-0

Worker Industry: 300 mg/m³ - Worker Professional: 300 mg/m³ - Consumer: 35.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 600 mg/m³ - Worker Professional: 600 mg/m³ - Consumer: 300 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 10 mg/kg - Worker Professional: 10 mg/kg - Consumer: 5 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates

Worker Industry: 4.7 mg/kg - Worker Professional: 4.7 mg/kg - Consumer: 2.83 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 3.32 mg/m³ - Worker Professional: 3.32 mg/m³ - Consumer: 0.98 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Consumer: 2.83 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

isobutyl acetate [2] - CAS: 110-19-0

Target: Fresh Water - Value: 0.17 mg/l

Target: Marine water - Value: 0.017 mg/l

Target: Intermittent emission - Value: 0.34 mg/l

Target: Microorganisms in sewage treatments - Value: 200 mg/l

Target: Freshwater sediments - Value: 0.877 mg/kg

Target: Marine water sediments - Value: 0.0877 mg/kg

Target: Soil (agricultural) - Value: 0.0755 mg/kg

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates

Target: Fresh Water - Value: 0.00068 mg/l

Target: Freshwater sediments - Value: 9.27 mg/kg

Target: Marine water sediments - Value: 0.927 mg/kg

Target: Intermittent emission - Value: 0.00036 mg/l

Target: Microorganisms in sewage treatments - Value: 0.9 mg/l

Appropriate engineering controls

None

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

Eye protection:

Basket eye glasses.

Protection for skin:

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

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (EN374)

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

9. Physical and chemical properties

| | |
|---|--------------------------------------|
| Appearance and colour: | Liquid, colourless |
| Odour: | typical |
| Odour threshold: | N.D. |
| pH: | N.A. |
| Melting point / freezing point: | N.D. °C |
| Initial boiling point and boiling range: | > 115 °C |
| Flash point: | < 23 °C |
| Evaporation rate: | N.D. |
| Solid/gas flammability: | N.A. |
| Upper/lower flammability or explosive limits: | 13.8% - 4.0% Vol. (Isobutyl acetate) |
| Vapour pressure: | N.D. (20 °C) |
| Vapour density: | > 1 |
| Relative density: | 0.870 - 0.890 |
| Solubility in water: | partial |
| Solubility in oil: | partial |
| Partition coefficient (n-octanol/water): | N.D. |
| Auto-ignition temperature: | > 300 °C |
| Decomposition temperature: | N.D. °C |
| Viscosity: | N.D. |

10. Stability and reactivity

Reactivity

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- 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

The product is classified: Skin Corr. 1C H314

c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

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

Not classified

No data available for the product

h) STOT-single exposure

The product is classified: STOT SE 3 H336

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:

isobutyl acetate [2] - CAS: 110-19-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 13.4 g/kg - Source: OCSE 401

Test: LD50 - Route: Oral - Species: Rabbit = 4.76 g/kg

Test: LC50 - Route: Inhalation - Species: Rat > 23.4 mg/l - Duration: 4h - Source: OCSE 403

Test: LD50 - Route: Skin - Species: Rabbit > 17.4 g/kg - Source: OCSE 402

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 570 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 528 mg/kg

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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The product is classified: Aquatic Acute 2 - H401; Aquatic Chronic 1 - H410

isobutyl acetate [2] - CAS: 110-19-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 397 mg/l - Duration h: 72 - Notes: OCSE 201

Endpoint: EC50 - Species: Daphnia = 24.6 mg/l - Duration h: 48 - Notes: OCSE 202

Endpoint: LC50 - Species: Fish = 16.6 mg/l - Duration h: 96 - Notes: OCSE 203

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 23.2 mg/l - Notes: OCSE 201 (21d)

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 0.14 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 13.8 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 0.008 mg/l - Duration h: 72

Endpoint: NOEC - Species: Fish = 10 mg/l - Duration h: 96

Endpoint: NOEC - Species: Daphnia = 0.023 mg/l - Duration h: 48

Persistence and degradability

isobutyl acetate [2] - CAS: 110-19-0

Biodegradability: Readily biodegradable

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: UN1263

ADR-UN Number: 1263

DOT number: UN1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

UN proper shipping name

TDG-Shipping Name: PAINT RELATED MATERIAL

ADR-Shipping Name: PAINT RELATED MATERIAL

DOT-Shipping Name: Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base or Paint related material including paint thinning, drying, removing, or reducing compound

IATA-Shipping Name: PAINT RELATED MATERIAL

IMDG-Shipping Name: PAINT RELATED MATERIAL

Transport hazard class(es)

TDG Class: 3

ADR-Class: 3

DOT Hazard Class: 3

ADR - Hazard identification number: 33

IATA-Class: 3

IATA-Label: 3

IMDG-Class: 3

Packing group

TDG Packing group: II

ADR-Packing Group: II

DOT Packing group: II

IATA-Packing group: II

IMDG-Packing group: II

Environmental hazards

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| | |
|--|---|
| ADR-Environmental Pollutant: | Yes |
| IMDG-Marine pollutant: | Marine Pollutant |
| 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: | 59,142 |
| DOT Special provisions: | 149, 367, 383, B52, B131, IB2, T4, TP1, TP8, TP28 |
| ADR-Subsidiary risks: | - |
| ADR-S.P.: | 163 367 640D 650 |
| ADR-Transport category (Tunnel restriction code): | 2 (D/E) |
| IATA-Passenger Aircraft: | 353 |
| IATA-Subsidiary risks: | - |
| IATA-Cargo Aircraft: | 364 |
| IATA-S.P.: | A3 A72 A192 |
| IATA-ERG: | 3L |
| IMDG-EmS: | F-E , S-E |
| IMDG-Subsidiary risks: | - |
| IMDG-Stowage and handling: | Category B |
| 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:
 isobutyl acetate [2]
 butan-1-ol; n-butanol
 List of substances not included in the TSCA inventory:
 Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates
- TSCA listed substances:
 isobutyl acetate [2] is listed in TSCA Section 8b
 butan-1-ol; n-butanol is listed in TSCA Section 8b.
- USA - Federal regulations
- SARA - Superfund Amendments and Reauthorization Act
 Section 302 – Extremely Hazardous Substances: no substances listed.
 Section 304 – Hazardous substances: isobutyl acetate [2], butan-1-ol; n-butanol.
 Section 313 – Toxic chemical list: butan-1-ol; n-butanol.
- CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
 Substance(s) listed under CERCLA: isobutyl acetate [2] - Reportable quantity: 5000 pounds
 butan-1-ol; n-butanol - Reportable quantity: 5000 pounds.
 Reportable quantity for mixture: 6250 pounds.
- CAA - Clean Air Act
 CAA listed substances:
 isobutyl acetate [2] is listed in CAA Section 111
 butan-1-ol; n-butanol is listed in CAA Section 111.
- CWA - Clean Water Act
 CWA listed substances:
 isobutyl acetate [2] is listed in CWA Section 311.
- 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:
 isobutyl acetate [2]
 butan-1-ol; n-butanol.
- New Jersey Right to know
 Substance(s) listed under New Jersey Right to know:
 isobutyl acetate [2]

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butan-1-ol; n-butanol.
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
isobutyl acetate [2]
butan-1-ol; n-butanol.

Volatile Organic compounds - VOCs = 84.30 %
Volatile Organic compounds - VOCs = 750.27 g/l
Volatile CMR substances = 0.00 %
Organic Carbon - C = 0.52

16. Other information

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H311 Toxic in contact with skin.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
H335 May cause respiratory irritation.
H315 Causes skin 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.

| | |
|-----------|--|
| 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 |