

Safety Data Sheet



LXA080 ADDITIVO elettrostatico

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

1. IDENTIFICATION

Product identifier

Mixture identification:
 Trade name: ADDITIVO elettrostatico
 Other means of identification:
 Trade code: LXA080

Recommended use of the chemical and restrictions on use

Recommended use:
 Industrial and professional uses (SU3 - SU22)
 Paint additive

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

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:+1-860-529-7704

Distributor:
 Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.
 7900 Henri-Bourassa Blvd. W.
 Montreal, Quebec, Canada, H4S 1V4
 Tel:+1-860-529-7704

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(S) IDENTIFICATION

Classification of the chemical

- ⚠ 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.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious 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/sparks/open flames/hot surfaces. — No smoking.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash ... Thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.

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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 alcohol resistant foam, dry chemical, CO₂, water spray. Do not use water jet.
 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

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

HEALTH	/ 2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

Qty	Name	Ident. Number	Classification
>= 80% - < 90%	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
>= 15% - < 20%	Quaternary ammonium compounds, C12-14 (even-	EC: 939-607-9	⚠ A.1/3/Dermal Acute Tox. 3 H311

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	numbered)-alkylethyldimethyl, ethyl sulphates	REACH No.:	01-2119977130-42	<ul style="list-style-type: none"> ⚠ A.1/4/Oral Acute Tox. 4 H302 ⚠ A.2/1C Skin Corr. 1C H314 ⚠ A.3/1 Eye Dam. 1 H318 ⚠ US-HAE/A1 Aquatic Acute 1 H400 ⚠ US-HAE/C1 Aquatic Chronic 1 H410
>= 3% - < 5%	butan-1-ol; n-butanol	Index number:	603-004-00-6	<ul style="list-style-type: none"> ⚠ 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
		CAS:	71-36-3	
		EC:	200-751-6	
		REACH No.:	01-2119484630-38	

4. FIRST-AID MEASURES

Description of necessary 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.
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

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 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 chemical

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 materials 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.

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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

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

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

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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
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	13.8% - 4.0% Vol. (Isobutyl acetate)
Vapour density:	> 1
Flash point:	< 23 °C
Evaporation rate:	N.D.
Vapour pressure:	N.D. (20 °C)
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.
Miscibility:	N.D.
Fat Solubility:	N.D.
Conductivity:	N.D.
Substance Groups relevant properties	N.A.

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:	ADDITIVO elettrostatico
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

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- 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

Waste treatment and disposal 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.

14. TRANSPORT INFORMATION



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UN number	
ADR-UN Number:	1263
DOT number:	UN1263
IATA-UN Number:	1263
IMDG-UN Number:	1263
UN proper shipping name	
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)	
ADR-Class:	3
DOT Hazard Class:	3
ADR - Hazard identification number:	33
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3
IMDG-Class:	3
Packing group	
ADR-Packing Group:	II
DOT Packing group:	II
IATA-Packing group:	II
IMDG-Packing group:	II
Environmental hazards	
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	
Rail (RID):	3
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

USA - Federal regulations

TSCA - Toxic Substances Control Act

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.

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:

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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]

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.

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STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average