



Safety Data Sheet dated 13/10/2013, version 1

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

1.1. Product identifier

Trade name: CATALIZADOR SYNTOX-FA
Product type and use: Mixture

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

1.3. Details of the supplier of the safety data sheet

Company:
SYNTHESIA INTERNACIONAL, S.L.U. - C/. Argent, 3 - 08775 - Castellbisbal - Barcelona - ESPAÑA
SYNTHESIA INTERNACIONAL, S.L.U. - Phone nr.(34) 93.682.13.00
Competent person responsible for the safety data sheet:
info@synte.es

1.4. Emergency telephone number

(+34) 93 682 13 00. Horario de oficina (during business hours). Información química y sobre riesgos físicos (physical hazards and chemical information)

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:

 Xi Irritant

R Phrases:

R10 Flammable.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R67 Vapours may cause drowsiness and dizziness.

Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements



Xi

Symbols:

 Xi Irritant

R Phrases:

R10 Flammable.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R67 Vapours may cause drowsiness and dizziness.

S Phrases:

S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

S37/39 Wear suitable gloves and eye/face protection.

S43 In case of fire, use the precise type of fire-fighting equipment.

S60 This material and its container must be disposed of as hazardous waste.

S7 Keep container tightly closed.

Contents:

Poli aminoamida

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

N.A.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

30% - 40% n-butyl acetate

REACH No.: 01-2119485493-29-XXXX, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1

R10-66-67; substance with a Community workplace exposure limit

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.8/3 STOT SE 3 H336

30% - 40% Poli aminoamida

Xi; R36/37/38-43

10% - 12.5% 2-methoxy-1-methylethyl acetate

REACH No.: 01-2119475791-29-XXXX, 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

10% - 12.5% 2-methylpropan-1-ol

REACH No.: 01-2119484609-23-XXXX, Index number: 603-108-00-1, CAS: 78-83-1, EC: 201-148-0

Xi; R10-37/38-41-67

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.8/3 STOT SE 3 H335

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/1 Eye Dam. 1 H318

⚠ 3.8/3 STOT SE 3 H336

7% - 10% xylene

REACH No.: 01-2119488216-32-0012, Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7

Xn, Xi; R10-20/21-38

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

- ⚠ 3.3/2 Eye Irrit. 2 H319
- ⚠ 3.8/3 STOT SE 3 H335
- ⚠ 3.9/2 STOT RE 2 H373
- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.1/4/Dermal Acute Tox. 4 H312
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332

1% - 3% ethylbenzene

Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4
F,Xn; R11-20

- ⚠ 2.6/2 Flam. Liq. 2 H225
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332

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.

Wash thoroughly the body (shower or bath).

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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

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

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

None

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 possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO₂, Foam, Chemical powders, according to the materials involved in the fire.

In case of fire, use the precise type of fire-fighting equipment.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

- 5.3. Advice for firefighters
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.

SECTION 6: Accidental release measures

- 6.1. 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.
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.
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
- 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.
None in particular.
Use localized ventilation system.
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.
- 7.2. Conditions for safe storage, including any incompatibilities
Always keep the containers tightly closed.
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.
Store at : 5 °C - 40 °C
Should be stored under cover. Avoid direct exposure to sunlight.
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

- n-butyl acetate - CAS: 123-86-4
 - TLV TWA - 150 ppm - 712,64 mg/m³
 - TLV STEL - 200 ppm - 950,18 mg/m³
- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 - VLE 8h - 275 mg/m³ - 50 ppm
 - VLE short - 550 mg/m³ - 100 ppm
- 2-methylpropan-1-ol - CAS: 78-83-1
 - TLV TWA - 50 ppm - 151,57 mg/m³
- xylene - CAS: 1330-20-7
 - TLV TWA - 100 ppm, A4 - 434,19 mg/m³, A4
 - TLV STEL - 150 ppm, A4 - 651,29 mg/m³, A4
 - VLE 8h - 221 mg/m³ - 50 ppm
 - VLE short - 442 mg/m³ - 100 ppm
- ethylbenzene - CAS: 100-41-4
 - TLV TWA - 100 ppm, A3 - 434,19 mg/m³, A3 Skin
 - TLV STEL - 125 ppm, A3 - 542,74 mg/m³, A3 Skin
 - VLE 8h - 442 mg/m³ - 100 ppm
 - VLE short - 884 mg/m³ - 200 ppm

DNEL Exposure Limit Values

- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 - Worker Professional: 54.8 16 - Exposure: Human Dermal Long Term, systemic effects
 - Worker Professional: 33 mg/m³ - Exposure: Human Inhalation Long Term, systemic effects
 - Worker Professional: 1.67 16 - Exposure: Human Oral Long Term, systemic effects
 - Consumer: 153.5 16 - Exposure: Human Dermal Long Term, systemic effects
 - Consumer: 275 mg/m³ - Exposure: Human Inhalation Long Term, local effects

PNEC Exposure Limit Values

- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 - Target: Fresh Water - Value: 0.635 mg/l
 - Target: Marine water - Value: 0.0635 mg/l
 - Target: SYN01 - Value: 6.35 mg/l
 - Target: Freshwater sediments - Value: 3.29 SYN03
 - Target: Marine water sediments - Value: 0.329 SYN03

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

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.

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Liquid

Colour:	Not available
Odour:	Characteristic
Odour threshold:	Not available
pH:	Not available
Melting point / freezing point:	Not available
Initial boiling point and boiling range:	108 °C
Solid/gas flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour density:	Not available
Flash point:	30,2 °C
Evaporation rate:	Not available
Vapour pressure:	Not available
Relative density:	Not available
Solubility in water:	No
Solubility in oil:	Not available
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidizing properties:	Not available

9.2. Other information

Miscibility:	Not available
Fat Solubility:	Not available
Conductivity:	Not available
Substance Groups relevant properties	Not available

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

Substances to avoid:
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:
N.A.

Toxicological information of the main substances found in the mixture:

n-butyl acetate - CAS: 123-86-4
a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 10760 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 14112 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 23.4 mg/l - Duration: 4h
2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l

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.

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: SYN01 44 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish 18 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae 647.7 mg/l - Duration h: 72
Endpoint: NOEC - Species: Algae 200 mg/l - Duration h: 72
Endpoint: NOEC 200 mg/l - Duration h: 40

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 134 mg/l - Duration h: 96
Endpoint: CE50 - Species: SYN01 408 mg/l - Duration h: 48
Endpoint: CE50 - Species: Algae > 1000 mg/l - Duration h: 96

12.2. Persistence and degradability

n-butyl acetate - CAS: 123-86-4

Biodegradability: SYN01 - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

12.3. Bioaccumulative potential

n-butyl acetate - CAS: 123-86-4

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.

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

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.

12.4. Mobility in soil

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

Mobility in soil: Mobile - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.

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. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

ADR

14.1. UN number

ADR-UN number: UN1263

14.2. UN proper shipping name

ADR-Shipping Name: PAINT RELATED MATERIAL
nos: n-butyl acetate

14.3. Transport hazard class(es)

ADR - Hazard identification number: 30
ADR-Class: 3

14.4. Packing group

ADR-Packing Group: III
ADR-Label: 3

14.5. Environmental hazards

14.6. Special precautions for user

IMDG

14.1. UN number

IMDG-Un number: UN1263

14.2. UN proper shipping name

IMDG-Technical name: PAINT RELATED MATERIAL
nos: n-butyl acetate

14.3. Transport hazard class(es)

IMDG-Class: 3

14.4. Packing group

IMDG-Packing group: III
IMDG-Label: 3

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
N.A.

IATA

14.1. UN number

IATA-Un number: UN1263

14.2. UN proper shipping name

IATA-Technical name: PAINT RELATED MATERIAL
nos: n-butyl acetate

14.3. Transport hazard class(es)

IATA-Class: 3

14.4. Packing group

IATA-Packing group: III
IATA-Label: 3

14.5. Environmental hazards

14.6. Special precautions for user

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/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP)

Regulation (EU) n. 453/2010 (Annex I)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R10 Flammable.

R11 Highly flammable.

R20 Harmful by inhalation.

R20/21 Harmful by inhalation and in contact with skin.

R36/37/38 Irritating to eyes, respiratory system and skin.

R37/38 Irritating to respiratory system and skin.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H225 Highly flammable liquid and vapour.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van

Nostrand Reinold

CCNL - Appendix 1

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.

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.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
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).
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.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
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.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.
N.A.:	N.A.
N.D.:	N.A.