



## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

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

#### 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: CATALIZZATORE non ingiallente- non-yellowing catalyst

Other means of identification:

Trade code: LCB057

Recommended use of the chemical and restrictions on use

Recommended use:

Industrial and professional uses (SU3 - SU22)

Catalyst for paints and varnishes

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

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Warning, Acute Tox. 4, Harmful if inhaled.
- ⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.
- ⚠ Warning, STOT SE 3, May cause respiratory irritation.
- ⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
- ⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

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

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.

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

P272 Contaminated work clothing should not be allowed out of the workplace.

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
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.  
P312 Call a POISON CENTER/doctor/... if you feel unwell.  
P314 Get medical advice/attention if you feel unwell.  
P321 Specific treatment (see ... On this label).  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire, use alcohol resistant foam, dry chemical, CO<sub>2</sub>, water spray. Do not use water jet.  
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:



### 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                  |
|----------------|-----------------------------------------------------|---------------|------------------|---------------------------------|
| >= 40% - < 50% | Hexamethylene diisocyanate, oligomers (biuret type) | CAS:          | 28182-81-2       | ⚠ A.1/4/Inhal Acute Tox. 4 H332 |
|                |                                                     | EC:           | 939-340-8        | ⚠ A.4.2/1 Skin Sens. 1 H317     |
|                |                                                     | REACH No.:    | 01-2119970543-34 | ⚠ A.8/3 STOT SE 3 H335          |
| >= 30% - < 40% | n-butyl acetate                                     | Index number: | 607-025-00-1     | ⚠ B.6/3 Flam. Liq. 3 H226       |
|                |                                                     | CAS:          | 123-86-4         | ⚠ A.8/3 STOT SE 3 H336          |
|                |                                                     | EC:           | 204-658-1        |                                 |
|                |                                                     | REACH No.:    | 01-2119485493-29 |                                 |

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

|                  |                             |                                                                                              |                                                                                                                                                                                                                                                |
|------------------|-----------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| >= 5% - < 7%     | xylene [4]                  | Index number: 601-022-00-9<br>CAS: 1330-20-7<br>EC: 215-535-7<br>REACH No.: 01-2119488216-32 | ⚠ B.6/3 Flam. Liq. 3 H226<br>⚠ A.1/4/Dermal Acute Tox. 4 H312<br>⚠ A.1/4/Inhal Acute Tox. 4 H332<br>⚠ A.2/2 Skin Irrit. 2 H315<br>⚠ A.3/2A Eye Irrit. 2A H319<br>⚠ A.8/3 STOT SE 3 H335<br>⚠ A.9/2 STOT RE 2 H373<br>⚠ A.10/1 Asp. Tox. 1 H304 |
| >= 1% - < 3%     | ethylbenzene                | Index number: 601-023-00-4<br>CAS: 100-41-4<br>EC: 202-849-4<br>REACH No.: 01-2119489370-35  | ⚠ B.6/2 Flam. Liq. 2 H225<br>⚠ US-HAE/C3 Aquatic Chronic 3 H412<br>⚠ A.1/4/Inhal Acute Tox. 4 H332<br>⚠ A.9/2 STOT RE 2 H373<br>⚠ A.10/1 Asp. Tox. 1 H304                                                                                      |
| >= 0.1% - < 0.3% | hexamethylene-di-isocyanate | Index number: 615-011-00-1<br>CAS: 822-06-0<br>EC: 212-485-8<br>REACH No.: 01-2119457571-37  | ⚠ A.1/1/Inhal Acute Tox. 1 H330<br>⚠ A.1/4/Oral Acute Tox. 4 H302<br>⚠ A.3/2A Eye Irrit. 2A H319<br>⚠ A.8/3 STOT SE 3 H335<br>⚠ A.2/2 Skin Irrit. 2 H315<br>⚠ A.4.1/1 Resp. Sens. 1 H334<br>⚠ A.4.2/1 Skin Sens. 1 H317                        |

#### 4. FIRST-AID MEASURES

Description of necessary 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 induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

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

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, CO<sub>2</sub>, 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.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Remove persons to safety.

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

Use appropriate respiratory protection.  
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.  
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.

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  
Hexamethylene diisocyanate, oligomers (biuret type) - CAS: 28182-81-2  
EU - STEL: 1 mg/m<sup>3</sup>  
n-butyl acetate - CAS: 123-86-4  
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr  
xylene [4] - CAS: 1330-20-7  
EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: Skin  
ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair  
ethylbenzene - CAS: 100-41-4  
EU - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL: 884 mg/m<sup>3</sup>, 200 ppm - Notes: Skin  
ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair  
hexamethylene-di-isocyanate - CAS: 822-06-0  
ACGIH - TWA(8h): 0.005 ppm - Notes: URT irr, resp sens

DNEL Exposure Limit Values  
Hexamethylene diisocyanate, oligomers (biuret type) - CAS: 28182-81-2  
Worker Industry: 0.5 mg/m<sup>3</sup> - Worker Professional: 0.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
Worker Industry: 1 mg/m<sup>3</sup> - Worker Professional: 1 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
n-butyl acetate - CAS: 123-86-4  
Worker Industry: 960 mg/m<sup>3</sup> - Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Industry: 960 mg/m<sup>3</sup> - Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Industry: 480 mg/m<sup>3</sup> - Worker Professional: 480 mg/m<sup>3</sup> - Consumer: 102.34 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Industry: 480 mg/m<sup>3</sup> - Worker Professional: 480 mg/m<sup>3</sup> - Consumer: 102.34 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
xylene [4] - CAS: 1330-20-7  
Worker Industry: 289 mg/m<sup>3</sup> - Worker Professional: 289 mg/m<sup>3</sup> - Consumer: 174 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Industry: 77 mg/m<sup>3</sup> - Worker Professional: 77 mg/m<sup>3</sup> - Consumer: 14.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Industry: 180 mg/kg - Worker Professional: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
ethylbenzene - CAS: 100-41-4  
Worker Industry: 180 mg/kg - Worker Professional: 180 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

Worker Industry: 77 mg/m<sup>3</sup> - Worker Professional: 77 mg/m<sup>3</sup> - Consumer: 15 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
 Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects  
 hexamethylene-di-isocyanate - CAS: 822-06-0  
 Worker Industry: 0.07 mg/m<sup>3</sup> - Worker Professional: 0.07 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
 Worker Industry: 0.07 mg/m<sup>3</sup> - Worker Professional: 0.07 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
 Worker Industry: 0.035 mg/m<sup>3</sup> - Worker Professional: 0.035 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
 Worker Industry: 0.035 mg/m<sup>3</sup> - Worker Professional: 0.035 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
 PNEC Exposure Limit Values  
 Hexamethylene diisocyanate, oligomers (biuret type) - CAS: 28182-81-2  
 Target: Microorganisms in sewage treatments - Value: 6.46 mg/l  
 n-butyl acetate - CAS: 123-86-4  
 Target: Fresh Water - Value: 0.18 mg/l  
 Target: Marine water - Value: 0.018 mg/l  
 Target: Intermittent emission - Value: 0.36 mg/l  
 Target: Freshwater sediments - Value: 0.98 mg/kg  
 Target: Marine water sediments - Value: 0.098 mg/kg  
 Target: Microorganisms in sewage treatments - Value: 35.6 mg/l  
 Target: Soil (agricultural) - Value: 0.09 mg/kg  
 xylene [4] - CAS: 1330-20-7  
 Target: Fresh Water - Value: 0.32 mg/l  
 Target: Marine water - Value: 0.32 mg/l  
 Target: Intermittent emission - Value: 0.32 mg/l  
 Target: Freshwater sediments - Value: 12.46 mg/kg  
 Target: Marine water sediments - Value: 12.46 mg/kg  
 Target: Microorganisms in sewage treatments - Value: 6.58 mg/l  
 Target: Soil (agricultural) - Value: 2.31 mg/kg  
 ethylbenzene - CAS: 100-41-4  
 Target: Fresh Water - Value: 0.1 mg/l  
 Target: Marine water - Value: 0.01 mg/l  
 Target: Freshwater sediments - Value: 13.7 mg/kg  
 Target: Soil (agricultural) - Value: 2.68 mg/kg  
 Target: Intermittent emission - Value: 0.1 mg/l  
 Target: Microorganisms in sewage treatments - Value: 9.6 mg/l  
 hexamethylene-di-isocyanate - CAS: 822-06-0  
 Target: Fresh Water - Value: 0.0774 mg/l  
 Target: Marine water - Value: 0.00774 mg/l  
 Target: Freshwater sediments - Value: 0.01334 mg/kg  
 Target: Marine water sediments - Value: 0.001334 mg/kg  
 Target: Intermittent emission - Value: 0.774 mg/l  
 Target: Microorganisms in sewage treatments - Value: 8.42 mg/l  
 Target: Soil (agricultural) - Value: 0.0026 mg/kg  
 Appropriate engineering controls:  
 None  
 Individual protection measures  
 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:  
 Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (EN374)  
 Respiratory protection:  
 Use respiratory protection where ventilation is insufficient or exposure is prolonged.  
 Use adequate protective respiratory equipment.  
 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:          | N.D. °C          |
| Initial boiling point and boiling range: | > 126 °C         |
| Solid/gas flammability:                  | N.A.             |

LCB057/1

Page n. 5 of 10

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

|                                               |                                    |
|-----------------------------------------------|------------------------------------|
| Upper/lower flammability or explosive limits: | 7.5% - 1.6% Vol. (n-butyl acetate) |
| Vapour density:                               | > 1                                |
| Flash point:                                  | > 23 °C                            |
| Evaporation rate:                             | N.D.                               |
| Vapour pressure:                              | N.D. (20 °C)                       |
| Relative density:                             | 0.980 - 1.000                      |
| Solubility in water:                          | partial, reacts                    |
| 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, alloys in powder or vapours) and powerful reducing agents.
  - It may generate toxic gases on contact with oxidising mineral acids, and powerful oxidising agents.
  - It may catch fire on contact with oxidising mineral acids, and powerful oxidising 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:
  - CATALIZZATORE non ingiallente- non-yellowing catalyst
  - a) acute toxicity
    - The product is classified: Acute Tox. 4 H332
  - 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
    - The product is classified: Skin Sens. 1 H317
  - 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 H335; STOT SE 3 H336
  - i) STOT-repeated exposure
    - The product is classified: STOT RE 2 H373
  - j) aspiration hazard
    - Not classified
    - No data available for the product
- Toxicological information of the main substances found in the product:
  - Hexamethylene diisocyanate, oligomers (biuret type) - CAS: 28182-81-2
  - a) acute toxicity:
    - Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg  
 Test: LC50 - Route: Inhalation Mist - Species: Rat = 400 mg/m<sup>3</sup> - Duration: 4h - Source: OCSE 403

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

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 10760 mg/kg - Source: OECD 423  
 Test: LC50 - Route: Inhalation - Species: Rat > 23.4 mg/l - Duration: 4h - Source: OECD 403  
 Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg - Source: OECD 402

xylene [4] - CAS: 1330-20-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg  
 Test: LD50 - Route: Oral - Species: Mouse = 5627 mg/kg  
 Test: LC50 - Route: Inhalation - Species: Rat = 6700 Ppm - Duration: 4h  
 Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

hexamethylene-di-isocyanate - CAS: 822-06-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 710 mg/kg  
 Test: LC50 - Route: Skin - Species: Rabbit = 570 mg/kg  
 Test: LC50 - Route: Inhalation - Species: Rat = 0.124 mg/l - Duration: 4h - Source: OCSE 403

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

The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.  
 Symptoms of illness at 500 ppm. Serious toxic effects at 2.000 ppm for 60 min.

xylene [4] - CAS: 1330-20-7

Observations on human subjects.

Effects following acute exposure: dermatitis, eczema, irritation to the eyes and to the respiratory tract, dizziness, headache, nausea, incoordination, excitability, narcosis, anaemia, and paraesthesia of the hands and feet.

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

None.

Substance(s) listed on the IARC Monographs:

xylene [4] - Group 3

ethylbenzene - Group 2B.

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.

CATALIZZATORE non ingiallente- non-yellowing catalyst

Not classified for environmental hazards

No data available for the product

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: OECD 203  
 Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48  
 Endpoint: EC50 - Species: Algae = 674 mg/l - Duration h: 72

xylene [4] - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Algae = 4.3 mg/l - Duration h: 72  
 Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1.3 mg/l - Notes: 56d  
 Endpoint: NOEC - Species: Daphnia = 1.57 mg/l - Notes: 21d

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 2.4 mg/l - Duration h: 48  
 Endpoint: EC50 - Species: Algae = 4.6 mg/l - Duration h: 72  
 Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.96 mg/l - Duration h: 168

hexamethylene-di-isocyanate - CAS: 822-06-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 82.8 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Daphnia = 89.1 mg/l - Duration h: 48  
 Endpoint: EC50 - Species: Algae > 77.4 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

Endpoint: NOEC - Species: Algae = 11.7 mg/l - Duration h: 72

#### Persistence and degradability

Hexamethylene diisocyanate, oligomers (biuret type) - CAS: 28182-81-2

Biodegradability: Non-readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

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

Biodegradability: Readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

xylene [4] - CAS: 1330-20-7

Biodegradability: Readily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

ethylbenzene - CAS: 100-41-4

Biodegradability: Readily biodegradable - Test: N.A. - Duration h: 28 days - %: 70-80 - Notes: N.A.

hexamethylene-di-isocyanate - CAS: 822-06-0

Biodegradability: Non-readily biodegradable - Test: Biochemical oxygen demand - Duration h: 28 days - %: 42 -

Notes: N.A.

#### 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



#### 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

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

ADR-Technical Name: Paint

IATA-Shipping Name: PAINT

IATA-Technical name: Paint

IMDG-Shipping Name: PAINT

IMDG-Shipping name: Paint

#### 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: No

IMDG-Marine pollutant: No

#### 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

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

|                                                   |                  |
|---------------------------------------------------|------------------|
| 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 A       |
| IMDG-Segregation:                                 | -                |

## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

Hexamethylene diisocyanate, oligomers (biuret type) is listed in TSCA Section 8b

n-butyl acetate is listed in TSCA Section 8b

xylene [4] is listed in TSCA Section 8b

ethylbenzene is listed in TSCA Section 8b, Section 8d HSDR

hexamethylene-di-isocyanate is listed in TSCA Section 8b, Section 8d HSDR.

#### SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: n-butyl acetate, xylene [4], ethylbenzene, hexamethylene-di-isocyanate.

Section 313 – Toxic chemical list: xylene [4], ethylbenzene, hexamethylene-di-isocyanate.

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: n-butyl acetate - Reportable quantity: 5000 pounds

xylene [4] - Reportable quantity: 100 pounds

ethylbenzene - Reportable quantity: 1000 pounds

hexamethylene-di-isocyanate - Reportable quantity: 100 pounds.

Reportable quantity for mixture: 1562.5 pounds.

#### CAA - Clean Air Act

CAA listed substances:

n-butyl acetate is listed in CAA Section 111

xylene [4] is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

ethylbenzene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

hexamethylene-di-isocyanate is listed in CAA Section 112(b) - HAP.

#### CWA - Clean Water Act

CWA listed substances:

n-butyl acetate is listed in CWA Section 304, Section 311

xylene [4] is listed in CWA Section 304, Section 311

ethylbenzene is listed in CWA Section 304, Section 307, Section 311, CWA Priority Pollutants.

### USA - State specific regulations

#### California Proposition 65

Substance(s) listed under California Proposition 65:

ethylbenzene - Listed as carcinogen.

#### Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

n-butyl acetate

xylene [4]

ethylbenzene

hexamethylene-di-isocyanate.

#### New Jersey Right to know

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

n-butyl acetate

xylene [4]

ethylbenzene

hexamethylene-di-isocyanate.

#### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

n-butyl acetate

xylene [4]

ethylbenzene.

Volatile Organic compounds - VOCs = 52.00 %

Volatile Organic compounds - VOCs = 520.00 g/l

LCB057/1

Page n. 9 of 10

## Safety Data Sheet

### LCB057 CATALIZZATORE non ingiallente- non-yellowing catalyst

Volatile CMR substances = 0.02 %

Organic Carbon - C = 0.34

#### 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

- H332 Harmful if inhaled.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.
- H226 Flammable liquid and vapour.
- H336 May cause drowsiness or dizziness.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.
- H225 Highly flammable liquid and vapour.
- H412 Harmful to aquatic life with long lasting effects.
- H330 Fatal if inhaled.
- H302 Harmful if swallowed.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

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                                                                |