



## Safety Data Sheet CT20 - Catalizzatore per PU

Safety Data Sheet dated 27/4/2017, version 38

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

#### 1.1. Product identifier

Mixture identification:

Trade name: Catalizzatore per PU

Trade code: CT20

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

Recommended use: Surface coating

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#### 1.3. Details of the supplier of the safety data sheet

Company:

Sirca S.p.A.

Address:

Viale Roma, 85

35010 S.Dono di Massanzago (PD) - ITALY

Tel. +39 0499322311

Competent person responsible for the safety data sheet:

safety@sirca.it

#### 1.4. Emergency telephone number

Sirca S.p.A. +39 049 9322311 (08.00 - 17.00) From Monday to Friday

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

- ⚠ Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Danger, Resp. Sens. 1, May cause allergy or asthma symptoms or breathing difficulties 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.

EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

No other hazards known

#### 2.2. Label elements

Hazard pictograms:



Danger

## Safety Data Sheet

### CT20 - Catalizzatore per PU

#### Hazard statements:

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties 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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P240 Ground/bond container and receiving equipment.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
- P370+P378 In case of fire: Use CO<sub>2</sub>, Foam, Chemical powders to extinguish.

#### Special Provisions:

- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH204 Contains isocyanates. May produce an allergic reaction.

#### Contains

- Toluendiisociancyrate (Polymer)
- ethyl acetate
- xylene [isomer mixture]
- n-butyl acetate
- m-tolylidene diisocyanate (Mixture of isomers): May produce an allergic reaction.

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

#### 2.3. Other hazards

This product contains isocyanates. Producer's specifications are as follows: ready-to-use paints containing isocyanates may irritate mucosae, particularly those of the respiratory system, and may give rise to hypersensitivity reactions. Vapour or aerosol inhalation may lead to sensitization. Please take all the measures used for all solvent-containing paints while manipulating isocyanate-containing paints. Avoid vapour and aerosol inhalation. People with allergic or asthmatic precedents or subject to respiratory disorders should not handle paints containing isocyanates.

#### Other Hazards:

No other hazards known

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:  
>= 25% - < 48% Toluendiisociancyrate (Polymer)

## Safety Data Sheet

### CT20 - Catalizzatore per PU

CAS: 53317-61-6

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.4.2/1 Skin Sens. 1 H317

>= 25% - < 48% ethyl acetate

REACH No.: 01-2119475103-46-xxxx, Index number: 607-022-00-5, CAS: 141-78-6, EC: 205-500-4

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H336

EUH066

>= 20% - < 25% xylene [isomer mixture]

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

⚠ 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

>= 9.9% - < 12.5% n-butyl acetate

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

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.8/3 STOT SE 3 H336

EUH066

>= 3% - < 5% ethylbenzene

REACH No.: 01-2119489370-35-xxxx, Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.1/4/Inhal Acute Tox. 4 H332

⚠ 3.9/2 STOT RE 2 H373

⚠ 3.10/1 Asp. Tox. 1 H304

>= 0.2% - < 0.25% m-tolylidene diisocyanate (Mixture of isomers)

REACH No.: 01-2119454791-34-xxxx, Index number: 615-006-00-4, CAS: 26471-62-5, EC: 247-722-4

⚠ 3.6/2 Carc. 2 H351

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H335

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.4.2/1 Skin Sens. 1 H317

⚠ 3.4.1/1 Resp. Sens. 1 H334

4.1/C3 Aquatic Chronic 3 H412

⚠ 3.1/2/Inhal Acute Tox. 2 H330

## Safety Data Sheet

### CT20 - Catalizzatore per PU

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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### In case of skin contact:

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:

Induce vomiting only on doctor's advice

###### In case of Inhalation:

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

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

Contact a poisons centre

##### 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).

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#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media:

In case of fire: Use CO<sub>2</sub>, Foam, Chemical powders to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

##### 5.2. Special hazards arising from the substance or mixture

Combustion may liberate toxic or very toxic gases. Do not breathe fumes.

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.

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#### 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.

Remove persons to safety.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

##### 6.2. Environmental precautions

## Safety Data Sheet

### CT20 - Catalizzatore per PU

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

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

#### 6.3. Methods and material for containment and cleaning up

Collect the spilled product with no-sparking tools.

Rapidly recover the product. To do so, wear a mask and protective clothing.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

#### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep away from flame and sparks. Avoid accumulating electrostatic charge.

Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.

Avoid contact with skin and eyes, inhalation of vapours and mists.

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.

Do not smoke while working.

See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store at below 30 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

### 7.3. Specific end use(s)

No further recommendations. Refer to point 1.2

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

ethyl acetate - CAS: 141-78-6

(OEL (IT)) - TWA: 400 ppm

ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr

xylene [isomer mixture] - CAS: 1330-20-7

(OEL (IT)) - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Behaviour:

Binding - Notes: pelle

## Safety Data Sheet

### CT20 - Catalizzatore per PU

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

n-butyl acetate - CAS: 123-86-4  
 TWA (Italia) - TWA: 150 ppm  
 ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

ethylbenzene - CAS: 100-41-4  
 (OEL (IT)) - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL: 884 mg/m<sup>3</sup>, 200 ppm - Behaviour:  
 Binding - Notes: pelle  
 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

m-tolylidene diisocyanate (Mixture of isomers) - CAS: 26471-62-5  
 VLE - TWA(8h): 0.005 ppm - STEL: 0.02 ppm  
 ACGIH - TWA: 0.04 mg/m<sup>3</sup>, 0.01 ppm - STEL: 0.14 mg/m<sup>3</sup>, 0.02 ppm - Notes: A4 sen

**DNEL Exposure Limit Values**

ethyl acetate - CAS: 141-78-6  
 Worker Industry: 1468 mg/m<sup>3</sup> - Consumer: 734 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
 Frequency: Short Term, systemic effects  
 Worker Industry: 1468 ppm - Exposure: Human Inhalation - Frequency: Short Term  
 (acute)  
 Worker Industry: 63 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term,  
 systemic effects  
 Worker Industry: 734 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term,  
 local effects  
 Worker Industry: 734 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term,  
 systemic effects  
 Consumer: 4.5 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic  
 effects  
 Consumer: 734 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term (acute)  
 Consumer: 734 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic  
 effects  
 Consumer: 37 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, local  
 effects  
 Consumer: 367 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local  
 effects  
 Consumer: 367 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic  
 effects

xylene [isomer mixture] - CAS: 1330-20-7  
 Worker Industry: 180 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term,  
 systemic effects  
 Worker Industry: 77 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term,  
 systemic effects  
 Consumer: 108 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term,  
 systemic effects  
 Consumer: 1872 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local  
 effects  
 Consumer: 12.5 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term,  
 systemic effects

n-butyl acetate - CAS: 123-86-4  
 Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human

## Safety Data Sheet

### CT20 - Catalizzatore per PU

Inhalation - Frequency: Short Term, systemic effects

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 Professional: 960 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

ethylbenzene - CAS: 100-41-4

Worker Industry: 180 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 293 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 77 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

m-tolylidene diisocyanate (Mixture of isomers) - CAS: 26471-62-5

Worker Industry: 0.14 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 0.14 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 0.035 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 0.0035 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

#### PNEC Exposure Limit Values

ethyl acetate - CAS: 141-78-6

Target: Fresh Water - Value: 0.26 mg/l

Target: Marine water - Value: 0.026 mg/l

Target: Freshwater sediments - Value: 1.25 mg/kg

Target: Marine water sediments - Value: 0.125 mg/kg

Target: Soil (agricultural) - Value: 0.24 mg/kg

Target: orally (secondary poisoning) - Value: 200 mg/kg - Notes:: Dietetico

Target: STP - Value: 650 mg/l

xylene [isomer mixture] - CAS: 1330-20-7

Target: Fresh Water - Value: 0.327 mg/l

Target: Fresh Water - Value: 0.327 mg/l

Target: occasional emission - Value: 0.327 mg/l

Target: Microorganisms in sewage treatments - Value: 6.58 mg/l

Target: Soil (agricultural) - Value: 2.31 mg/kg - Notes:: dry

Target: Marine water sediments - Value: 12.46 mg/kg - Notes:: dry

Target: Freshwater sediments - Value: 12.46 mg/kg - Notes:: dry

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

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.018 mg/l

Target: Freshwater sediments - Value: 0.981 mg/kg

Target: Marine water sediments - Value: 0.0981 mg/kg

Target: Soil (agricultural) - Value: 0.0903 mg/kg

ethylbenzene - CAS: 100-41-4

Target: Fresh Water - Value: 0.1 mg/l

Target: Marine water - Value: 0.01 mg/l

Target: Marine water sediments - Value: 13.7 mg/l

Target: Freshwater sediments - Value: 13.7 mg/l

Target: occasional emission - Value: 0.1 mg/l

m-tolylidene diisocyanate (Mixture of isomers) - CAS: 26471-62-5

## Safety Data Sheet

### CT20 - Catalizzatore per PU

Target: Fresh Water - Value: 0.013 mg/l

Target: Marine water - Value: 0.00125 mg/l

#### 8.2. Exposure controls

##### Eye protection:

Use eye protection devices. Example: closed safety visors, goggles with side protection. Do not wear contact lenses.

##### Protection for skin:

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

##### Protection for hands:

Because of the synergetic effect of the substances contained in the formulation it is not possible to identify a unique material that can resist to their fusion. Multi - layer protective gloves can be suitable for mixes of substances. Pay attention to the data about grade of protection and of permeation rate furnished by the producer of the gloves about the substances listed on point 3 of this sheet.

##### Respiratory protection:

Use adequate protective respiratory equipment, e.g. A2 or A2P2 or A2P3.

##### Thermal Hazards:

None known

##### Environmental exposure controls:

None known

##### Appropriate engineering controls:

None

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## SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance and colour:	liquid
Odour:	characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	< 1°C
Initial boiling point and boiling range:	> 55°C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	< 23°C (< 73.4 °F)
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0.9990 Kg/l a 20°C
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	> 250°C
Decomposition temperature:	N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

#### 9.2. Other information

Miscibility: N.A.

Fat Solubility: N.A.

Conductivity: N.A.

## Safety Data Sheet

### CT20 - Catalizzatore per PU

Substance Groups relevant properties N.A.

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#### 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  
No dangerous reaction is stored and used appropriately.
- 10.4. Conditions to avoid  
Avoid accumulating electrostatic charge.  
Vapours can form explosive mixtures with air.
- 10.5. Incompatible materials  
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products  
vapours potentially dangerous to health may be released.

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#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

Toluendiisocianate (Polymer) - CAS: 53317-61-6

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 2.462 mg/l - Duration: 4h - Notes: tests conducted on a comparable product

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Notes: tests conducted on a comparable product

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Notes: tests conducted on a comparable product

c) serious eye damage/irritation:

Test: Eye Irritant Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Cavia porcellus Positive - Notes: tests conducted on a comparable product

e) germ cell mutagenicity:

Test: Genotoxicity - Species: Salmonella Typhimurium Negative - Source: Method OECD TG 471 - Notes: tests conducted on a comparable product

j) aspiration hazard:

Test: Respiratory Tract Irritant - Route: Inhalation - Species: Rabbit Positive

ethyl acetate - CAS: 141-78-6

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 5620 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 29.3 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rabbit = 4934 mg/kg body weight

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative

## Safety Data Sheet

### CT20 - Catalizzatore per PU

- e) germ cell mutagenicity:  
Test: Genotoxicity Negative
- j) aspiration hazard:  
Test: Respiratory Tract Corrosive - Route: Inhalation Positive
- xylene [isomer mixture] - CAS: 1330-20-7
- a) acute toxicity:  
Test: LD50 - Route: Inhalation - Species: Rat = 27 mg/l - Duration: 4h  
Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit = 12126 mg/kg
- n-butyl acetate - CAS: 123-86-4
- a) acute toxicity:  
Test: LC50 - Route: Inhalation - Species: Rat > 21 mg/l - Duration: 4h  
Test: LD50 - Route: Oral - Species: Rat 14112 mg/kg - Notes: Method OECD linee guide 402
- ethylbenzene - CAS: 100-41-4
- a) acute toxicity:  
Test: LD50 - Route: Skin - Species: Rabbit = 15400 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat = 4000 Ppm - Duration: 4h
- d) respiratory or skin sensitisation:  
Test: Skin Sensitization - Route: Skin - Species: Cavia porcellus Negative
- m-tolylidene diisocyanate (Mixture of isomers) - CAS: 26471-62-5
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat male = 5110 mg/kg  
Test: LD50 - Route: Oral - Species: Rat Female = 4130 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit > 9400 mg/kg  
Test: LC50 - Route: Inhalation Mist - Species: Rat = 101 mg/m<sup>3</sup> - Duration: 4h - Notes:  
Satur vapor concentration at 25°C : 255 mg/m<sup>3</sup>  
Test: LC50 - Route: Inhalation Vapour - Species: Rat 0.47 mg/l - Duration: 1h
- b) skin corrosion/irritation:  
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- j) aspiration hazard:  
Test: Respiratory Tract Corrosive - Route: Inhalation - Species: Rabbit Positive

If not differently specified, the information required in Regulation (EU)2015/830 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.

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## SECTION 12: Ecological information

### 12.1. Toxicity

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

ethyl acetate - CAS: 141-78-6

- a) Aquatic acute toxicity:

## Safety Data Sheet

### CT20 - Catalizzatore per PU

- Endpoint: LC50 - Species: Fish = 454.7 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Daphnia = 154 mg/l - Duration h: 48  
 Endpoint: EC50 - Species: Algae = 3300 mg/l - Duration h: 48
- b) Aquatic chronic toxicity:  
 Endpoint: NOEC - Species: Algae > 100 mg/l - Duration h: 72  
 xylene [isomer mixture] - CAS: 1330-20-7
- a) Aquatic acute toxicity:  
 Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 48  
 Endpoint: LC50 - Species: Fish = 3.2 mg/l - Duration h: 96  
 Endpoint: LC50 - Species: Algae = 2.6 mg/l - Duration h: 73  
 n-butyl acetate - CAS: 123-86-4
- a) Aquatic acute toxicity:  
 Endpoint: LC50 - Species: Fish = 64 mg/l - Duration h: 48  
 Endpoint: EC50 - Species: Daphnia = 73 mg/l - Duration h: 24  
 Endpoint: EC50 - Species: Algae = 674 mg/l - Duration h: 72  
 ethylbenzene - CAS: 100-41-4
- a) Aquatic acute toxicity:  
 Endpoint: LC50 - Species: Fish = 42.3 mg/l - Duration h: 96  
 m-tolylidene diisocyanate (Mixture of isomers) - CAS: 26471-62-5
- a) Aquatic acute toxicity:  
 Endpoint: LC50 - Species: Fish = 133 mg/l - Duration h: 96  
 Endpoint: ErC50 - Species: Algae = 4300 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Daphnia = 12.5 mg/l - Duration h: 48  
 Endpoint: NOEC - Species: Daphnia = 1.1 mg/l - Duration h: 504  
 Endpoint: ErC50 - Species: Algae 4300 mg/l - Duration h: 96
- 12.2. Persistence and degradability  
 None known  
 N.A.
- 12.3. Bioaccumulative potential  
 N.A.
- 12.4. Mobility in soil  
 N.A.
- 12.5. Results of PBT and vPvB assessment  
 vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
 None known

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## SECTION 13: Disposal considerations

- 13.1. Waste treatment 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.  
 Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

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## SECTION 14: Transport information

- 14.1. UN number  
 ADR-UN Number: 1263  
 IATA-Un number: 1263  
 IMDG-Un number: 1263
- 14.2. UN proper shipping name

## Safety Data Sheet

### CT20 - Catalizzatore per PU

ADR-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)		
IATA-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)		
IMDG-Shipping Name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)		
14.3. Transport hazard class(es)			
ADR-Class:	3		
ADR-Label:	3		
ADR - Hazard identification number:	33		
IATA-Class:	3		
IATA-Label:	3		
IMDG-Class:	3		
14.4. Packing group			
ADR-Packing Group:	II		
IATA-Packing group:	II		
IMDG-Packing group:	II		
14.5. Environmental hazards			
14.6. Special precautions for user			
ADR-Tunnel Restriction Code:	2 (D/E)		
IATA-Passenger Aircraft:	353		
IATA-Cargo Aircraft:	364		
IMDG-Technical name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)		
IMDG-EMS:	F-E , <u>S-E</u>		
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code			
No			

## SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
 Dir. 98/24/EC (Risks related to chemical agents at work)  
 Dir. 2000/39/EC (Occupational exposure limit values)  
 Regulation (EC) n. 1907/2006 (REACH)  
 Regulation (EC) n. 1272/2008 (CLP)  
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
 Regulation (EU) 2015/830  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)  
 Regulation (EU) n. 618/2012 (ATP 3 CLP)  
 Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)  
 Regulation (EU) n. 605/2014 (ATP 6 CLP)  
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
 Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
 None

Where applicable, refer to the following regulatory provisions :

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

## Safety Data Sheet

### CT20 - Catalizzatore per PU

amendments.

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

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

1999/13/EC (VOC directive)

Directive 1999/13/CE

Total Volatile Organic Compounds (typical value): 63 %

Total Volatile Organic Carbon (typical value):

43.88 %

Total solids content: 36.3 - 37.7 %

#### 15.2. Chemical safety assessment

No

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### SECTION 16: Other information

Text of phrases referred to under heading 3:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H335 May cause respiratory irritation.

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

H315 Causes skin irritation.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H351 Suspected of causing cancer.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H412 Harmful to aquatic life with long lasting effects.

H330 Fatal if inhaled.

Paragraphs modified from the previous revision:

#### SECTION 8: Exposure controls/personal protection

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 - Eighth Edition - Van  
Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

RESTRICTED TO PROFESSIONAL USERS

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.

## Safety Data Sheet

### CT20 - Catalizzatore per PU

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.:	

End of Safety Data Sheet

## Safety Data Sheet

### CT20 - Catalizzatore per PU

Label model

# CT20

## Catalizzatore per PU



Hazard pictograms:

Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties 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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P240 Ground/bond container and receiving equipment.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
- P370+P378 In case of fire: Use CO<sub>2</sub>, Foam, Chemical powders to extinguish.

Special Provisions:

- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH204 Contains isocyanates. May produce an allergic reaction.

Contains

- Toluendiisocyanate (Polymer)
- ethyl acetate
- xylene [isomer mixture]
- n-butyl acetate
- m-tolylidene diisocyanate (Mixture of isomers): May produce an allergic reaction.

**Quantity:**

**Company:**