







#### Safety Data Sheet dated 12/7/2017, version 5

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

1.1. Product identifier

Mixture identification:

Trade name: Lucido NC Bianco

Trade code: LNP130

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use:Surface coating

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.
- Warning, Repr. 2, Suspected of damaging fertility or the unborn child.

  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

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

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

Precautionary statements:

P202 Do not handle until all safety precautions have been read and understood.

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.
P370+P378 In case of fire: Use CO2, Foam, Chemical powders to extinguish.

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

ethyl acetate toluene propan-2-ol n-butyl acetate

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

None

2.3. Other hazards



Other Hazards:

No other hazards known

#### **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% 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 H2253.3/2 Eye Irrit. 2 H319

1) 3.8/3 STOT SE 3 H336

EUH066

>= 9.9% - < 12.5% toluene

REACH No.: 01-2119471310-51-xxxx, Index number: 601-021-00-3, CAS: 108-88-3, EC: 203-625-9

© 2.6/2 Flam. Liq. 2 H225 © 3.7/2 Repr. 2 H361 © 3.10/1 Asp. Tox. 1 H304 © 3.9/2 STOT RE 2 H373

(1) 3.2/2 Skin Irrit. 2 H315 (1) 3.8/3 STOT SE 3 H336

>= 9.9% - < 12.5% 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 1 3.3/2 Eye Irrit. 2 H319 1 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

(1) 3.1/4/Inhal Acute Tox. 4 H332

>= 3% - < 5% propan-2-ol REACH No.: 01-2119457558-25-xxxx, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7

2.6/2 Flam. Liq. 2 H225
 3.3/2 Eye Irrit. 2 H319
 3.8/3 STOT SE 3 H336

>= 3% - < 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** 

>= 2.5% - < 3% 1-methoxy-2-propanol

REACH No.: 01-2119457435-35-xxxx, Index number: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1

2.6/3 Flam. Liq. 3 H226 1 3.8/3 STOT SE 3 H336

>= 2% - < 2.5% 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

REACH No.: 01-2119475108-36-xxxx, Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0

1 3.3/2 Eye Irrit. 2 H319 1 3.2/2 Skin Irrit. 2 H315 1 3.1/4/Oral Acute Tox. 4 H302

3.1/4/Dermal Acute Tox. 4 H312

(1) 3.1/4/Inhal Acute Tox. 4 H332

>= 1% - < 2% 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

>= 1% - < 2% 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 2.6/3 Flam. Liq. 3 H226



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< 0.0015% 2,6-dimethylheptan-4-one; di-isobutyl ketone

REACH No.: 01-2119474441-41-xxxx, Index number: 606-005-00-X, CAS: 108-83-8, EC: 203-620-1

(a) 2.6/3 Flam. Liq. 3 H226 (b) 3.8/3 STOT SE 3 H335

#### **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 opthalmologist 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).

# **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire: Use CO2, 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.

#### **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

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

#### **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.



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

Exercise the greatest care when handling or opening the container.

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.

Contamined 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 flam e 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

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

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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
             toluene - CAS: 108-88-3
(OEL (IT)) - TWA(8h): 192 mg/m3, 50 ppm - Behaviour: Binding - Notes: Pelle
EU - TWA(8h): 192 mg/m3, 50 ppm - STEL: 384 mg/m3, 100 ppm - Notes: Skin
                            ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - Visual impair, female repro, pregnancy loss
             xylene [isomer mixture] - CAS: 1330-20-7
                            (OEL (IT)) - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Behaviour: Binding - Notes: pelle
                           EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: Skin ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
             propan-2-ol - CAS: 67-63-0
                           ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair
             n-butyl acetate - CAS: 123-86-4
             TWA (Italia) - TWA: 150 ppm - STEL: 200 ppm
ACGIH - TWA: 150 ppm - STEL: 200 ppm - Notes: Eye and URT irr
1-methoxy-2-propanol - CAS: 107-98-2
                            (OEL (IT)) - TWA: 375 mg/m3, 100 ppm - STEL: 558 mg/m3, 150 ppm - Notes: pelle
             (OEL (I1)) - I WA: 375 mg/m3, 100 ppm - STEL: 558 mg/m3, 150 ppm - Notes: pelle NIOSH - TWA: 360 mg/m3, 100 ppm - STEL: 540 mg/m3, 150 ppm - Notes: 15 minutes average value EU - TWA(8h): 375 mg/m3, 100 ppm - STEL: 563 mg/m3, 150 ppm - Notes: Skin ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2 (OEL (IT)) - TWA(8h): 98 mg/m3, 20 ppm - STEL: 246 mg/m3, 50 ppm - Behaviour: Binding - Notes: pelle ACGIH - TWA: 96.66 mg/m3, 20 ppm - Notes: A3
                            MAK - TWA(8h): 49 mg/m3, 10 ppm - STEL: 246 mg/m3, 50 ppm - Notes: Skin
             ethylbenzene - CAS: 100-41-4
             (OEL (IT)) - TWA(8h): 442 mg/m3, 100 ppm - STEL: 884 mg/m3, 200 ppm - Behaviour: Binding - Notes: pelle EU - TWA(8h): 442 mg/m3, 100 ppm - STEL: 884 mg/m3, 200 ppm - Notes: Skin ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
             (OEL (IT)) - TWA(8h): 275 mg/m3, 50 ppm - STEL: 550 mg/m3, 100 ppm - Behaviour: Binding - Notes: Pelle EU - TWA(8h): 275 mg/m3, 50 ppm - STEL: 550 mg/m3, 100 ppm - Notes: Skin 2,6-dimethylheptan-4-one; di-isobutyl ketone - CAS: 108-83-8

ACGIH - TWA(8h): 25 ppm - Notes: URT and eye irr
DNEL Exposure Limit Values
             ethyl acetate - CAS: 141-78-6
                           Worker Industry: 1468 mg/m3 - Consumer: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic
                           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/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
                           Worker Industry: 734 mg/m3 - 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/m3 - Exposure: Human Inhalation - Frequency: Short Term (acute)
Consumer: 734 mg/m3 - 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/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
                           Consumer: 367 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
                         - CAS: 108-88-3
                           Consumer: 226 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
                           Consumer: 226 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects Consumer: 226 mg/m3 - Exposure: Human Dermal - Frequency: Long Term, systemic effects
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Consumer: 56.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects



LNP130 - Lucido NC Bianco Consumer: 8.13 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects Worker Industry: 384 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects Worker Industry: 384 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects Worker Industry: 192 mg/m3 - 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/m3 - 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/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects Consumer: 12.5 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects propan-2-ol - CAS: 67-63-0
Worker Industry: 500 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 888 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects Consumer: 89 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects Consumer: 319 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects Consumer: 26 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects n-butyl acetate - CAS: 123-86-4

Worker Professional: 600 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects Worker Professional: 300 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects Consumer: 300 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects Consumer: 35.7 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

1-methoxy-2-propanol - CAS: 107-98-2 Worker Industry: 553.5 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects Worker Industry: 50.6 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects Worker Industry: 369 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects Consumer: 18.1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects Consumer: 43.9 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 3.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

Worker Industry: 89 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 135 ppm - Exposure: Human Inhalation - Frequency: Short Term, systemic effects Worker Industry: 135 ppm - Exposure: Human Innalation - Frequency: Short Term, systemic effects Worker Industry: 50 ppm - Exposure: Human Inhalation - Frequency: Short Term, local effects Worker Industry: 75 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects Worker Industry: 20 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects Exposure: Human Oral - Frequency: Short Term, systemic effects Exposure: Human Oral - Frequency: Long Term, systemic effects Consumer: 44.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects Consumer: 426 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Consumer: 123 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects Consumer: 38 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects Consumer: 49 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects Consumer: 13.4 mg/m3 - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 3.2 mg/m3 - Exposure: Human Oral - Frequency: Long Term, systemic effects ethylbenzene - CAS: 100-41-4

Worker Industry: 180 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects Worker Industry: 293 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects Worker Industry: 77 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects 2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Professional: 153.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects Worker Professional: 275 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects Consumer: 54.8 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects Consumer: 33 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects Consumer: 1.67 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

2,6-dimethylheptan-4-one; di-isobutyl ketone - CAS: 108-83-8

Worker Industry: 290 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects Worker Industry: 80 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects Worker Industry: 479 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects Consumer: 145 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects Consumer: 28.5 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects Consumer: 282 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 7.14 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic 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



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Target: STP - Value: 650 mg/l
                 toluene - CAS: 108-88-3
                                  Target: Fresh Water - Value: 0.68 mg/l
                                 Target: Marine water - Value: 0.68 mg/l
Target: Soil (agricultural) - Value: 2.89 mg/kg
Target: Marine water sediments - Value: 16.39 mg/l
Target: Freshwater sediments - Value: 16.39 mg/l
                                  Target: STP - Value: 13.61 mg/l
                Target: STP - Value: 13.61 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: Chry
                 Target: Marine water sediments - Value: 12.46 mg/kg - Notes:: dry
Target: Freshwater sediments - Value: 12.46 mg/kg - Notes:: dry
propan-2-ol - CAS: 67-63-0
                                  Target: Fresh Water - Value: 140.9 mg/l
Target: Marine water - Value: 140.9 mg/l
Target: occasional emission - Value: 140.9 mg/l
                                  Target: Freshwater sediments - Value: 552 mg/kg
                                  Target: Marine water sediments - Value: 552 mg/kg
Target: Soil (agricultural) - Value: 28 mg/kg
Target: STP - Value: 2251 mg/l
                 n-butyl acetate - CAS: 123-86-4
                                  Target: Fresh Water - Value: 0.18 mg/l
                                  Target: Marine water - Value: 0.018 mg/
                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
Target: STP - Value: 35.6 mg/l
1-methoxy-2-propanol - CAS: 107-98-2
Target: Fresh Water - Value: 10 mg/l
Target: Marine water - Value: 1 mg/l
Target: occasional emission - Value: 100 mg/l
Target: STP - Value: 100 mg/l
Target: Freshwater sediments - Value: 41.6 mg/kg
                                  Target: Freshwater sediments - Value: 41.6 mg/kg
                                  Target: Marine water sediments - Value: 4.17 mg/kg
                                  Target: Soil (agricultural) - Value: 2.47 mg/kg
                 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
Target: Fresh Water - Value: 8.8 mg/l
                                  Target: Marine water - Value: 0.88 mg/l
                                  Target: Microorganisms in sewage treatments - Value: 463 mg/l
Target: Freshwater sediments - Value: 34.6 mg/kg
                Target: Marine water sediments - Value: 3.46 mg/kg
Target: Soil (agricultural) - Value: 2.8 mg/l
Target: STP - Value: 463 mg/l
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
                 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: Marine water sediments - Value: 0.329 mg/kg - Notes:: dry Target: Freshwater sediments - Value: 3.29 mg/kg - Notes:: dry
                                  Target: Soil (agricultural) - Value: 0.29 mg/kg - Notes:: dry
Target: STP - Value: 100 mg/l
                 2,6-dimethylheptan-4-one; di-isobutyl ketone - CAS: 108-83-8
                                  Target: Fresh Water - Value: 0.03 mg/l
Target: Marine water - Value: 0.003 mg/l
Target: occasional emission - Value: 0.3 mg/l
                                  Target: Freshwater sediments - Value: 0.46 mg/kg
                                  Target: Marine water sediments - Value: 0.046 mg/kg
                                  Target: Microorganisms in sewage treatments - Value: 2.55 mg/l Target: Soil (agricultural) - Value: 0.0746 mg/kg
8.2. Exposure controls
Eye protection:
                 Use eye protection devices. Example: closed safety visors, goggles with side protection. Do not wear contact lenses.
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Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:



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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

#### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

liquid Appearance and colour: Odour: characteristic Odour threshold: N.A. N.A. < 1°C Melting point / freezing point: Initial boiling point and boiling range: Solid/gas flammability: > 55°C N.A Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A Flash point: < 23°C (< 73.4 °F)

N.A. N.A. Evaporation rate: Vapour pressure: Relative density:

1.0500 Kg/l a 20℃ 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.

Viscosity (typical value): 95.00 " Din cup # 4

Explosive properties: Oxidizing properties: N.A. 9.2. Other information NΑ Miscibility: Fat Solubility: N.A. Conductivity: N.A. Substance Groups relevant properties

#### **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.

#### **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:

ethyl acetate - CAS: 141-78-6

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

e) germ cell mutagenicity:

Test: Genotoxicity Negative

j) aspiration hazard:

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#### LNP130 - Lucido NC Bianco

```
Test: Respiratory Tract Corrosive - Route: Inhalation Positive
                        toluene - CAS: 108-88-3
                        a) acute toxicity:
                       Test: LD50 - Route: Oral - Species: Rat 636 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 12267 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 25.7 mg/l - Duration: 4h
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
                        propan-2-ol - CAS: 67-63-0
                        a) acute toxicity:
                                   Test: LD50 - Route: Oral - Species: Rat = 5045 mg/kg
                                   Test: LD50 - Route: Skin - Species: Rat = 12800 mg/kg
                                   Test: LC50 - Route: Inhalation - Species: Rat = 72000 mg/m3 - Duration: 4h
                        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 = 10736 mg/kg - Notes: Method OECD linee guide 402 Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg
                        1-methoxy-2-propanol - CAS: 107-98-2
                        a) acute toxicity:
                                   Test: LD50 - Route: Oral - Species: Rat = 4016 mg/kg
Test: LC0 - Route: Inhalation Vapour - Species: Rat > 7000 Ppm - Duration: 6h
                                   Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
                        b) skin corrosion/irritation:
                       Test: Skin Irritant Negative c) serious eye damage/irritation:
                                   Test: Eye Irritant Negative
                        2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
                        a) acute toxicity:
                                   Test: LD50 - Route: Oral - Species: Rat 470 mg/kg
                                   Test: LD50 - Route: Skin - Species: Rabbit 220 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat male 2.4 mg/l - Duration: 4h
Test: LC50 - Route: Inhalation Vapour - Species: Rat Female 2.2 mg/l - Duration: 4h
                                   Test: LD50 - Route: Skin - Species: Rat 220 mg/kg
                        b) skin corrosion/irritation:
                       Test: Skin Irritant - Species: Rabbit Yes - Notes: Provoca irritazione cutanea
Test: Eye Irritant - Species: Rabbit Yes - Notes: provoca grave irritazione oculare
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 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
                        a) acute toxicity:
                                   Test: LD50 - Route: Oral - Species: Rat = 8532 mg/kg
                                   Test: LC50 - Route: Skin - Species: Rat > 5000 mg/kg
Test: LC50 - Route: Inhalation Mist - Species: Rat > 23.8 mg/l - Duration: 6h
                       b) skin corrosion/irritation:
                                   Test: Skin Irritant - Route: Skin - Species: Rabbit Negative
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
```

#### **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:

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
```



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```
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Algae > 100 mg/l - Duration h: 72
          toluene - CAS: 108-88-3
          a) Aquatic acute toxicity:
                    Endpoint: EC50 - Species: Algae = 12500 Ppm - Duration h: 72
                    Endpoint: EC50 - Species: Algae > 433 Ppm - Duration h: 96
          b) Aquatic chronic toxicity:
                    Endpoint: NOEC - Species: Daphnia = 1000 Ppm - Duration h: 504
          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
          propan-2-ol - CAS: 67-63-0
          a) Aquatic acute toxicity:
                    Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 24
          b) Aquatic chronic toxicity
                    Endpoint: NOEC - Species: Daphnia = 30 mg/l - Duration h: 504 - Notes: Prova semistatica
                    Endpoint: EC50 - Species: Active mud > 1000 mg/l
          e) Plant toxicity:
          Endpoint: NOEC - Species: Algae = 1800 mg/l - Duration h: 168 - Notes: Prova statica,inibizione della crescita 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
1-methoxy-2-propanol - CAS: 107-98-2
          a) Aquatic acute toxicity:
                    Endpoint: LC50 - Species: Fish > 6800 mg/l - Duration h: 96
                    Endpoint: LC50 - Species: Daphnia > 23300 mg/l - Duration h: 48
                    Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 168 - Notes: - (7d)
          f) Effects in sewage plants:
          Endpoint: EC50 - Species: Active mud > 1000 mg/l - Duration h: 3
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
                    Endpoint: LC50 - Species: Fish = 1490 mg/l - Duration h: 96
                    Endpoint: EC50 - Species: Daphnia = 1000 mg/l - Duration h: 24
          c) Bacteria toxicity:
Endpoint: EC50 - Species: Active mud > 700 mg/l - Duration h: 16 ethylbenzene - CAS: 100-41-4
          a) Aquatic acute toxicity:
                    Endpoint: LC50 - Species: Fish = 42.3 mg/l - Duration h: 96
          2-methoxy-1-methylethyl acetate - CAS: 108-65-6
          a) Aquatic acute toxicity:
                    Endpoint: LC50 - Species: Fish > 100 ml/l - Duration h: 96 - Notes: Method OECD linee guide 203
                    Endpoint: EC50 - Species: Daphnia > 500 mg/l - Duration h: 48 - Notes: Method Direttiva 67/548CEE allegato V,C.2
                    Endpoint: ErC50 - Species: Algae > 1000 mg/l - Duration h: 72 - Notes: Method OECD TG 209
12.2. Persistence and degradability
          None known
          N.A.
12.3. Bioaccumulative potential
          N.A.
12.4. Mobility in soil
          N.Á
12.5 Results of PBT and vPvB assessment
          vPvB Substances: None - PBT Substances: None
12.6. Other adverse effects
          None known
```

#### **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.

## **SECTION 14: Transport information**

14.1. UN number

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



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)

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and IATA-Shipping Name:

reducing compound)

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and IMDG-Shipping Name:

liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and

reducing compound)

14.3. Transport hazard class(es)

ADR-Class: 3 ADR-Label: ADR - Hazard identification number: IATA-Class: 33 3 IATA-Label: 3 IMDG-Class: 3 14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: IMDG-Packing group: Ш

14.5. Environmental hazards 14.6. Special precautions for user ADR-Tunnel Restriction Code:

2 (D/E) IATA-Passenger Aircraft: 353 IATA-Cargo Aircraft:

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)
F-E S-E IMDG-EMS:

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

#### **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 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): Total solids content: 43.27 %

36.3 - 37.7 %

15.2. Chemical safety assessment

No

#### **SECTION 16: Other information**

Text of phrases referred to under heading 3: H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H361 Suspected of damaging fertility or the unborn child.



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H304 May be fatal if swallowed and enters airways.

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

H315 Causes skin irritation

H226 Flammable liquid and vapour. H335 May cause respiratory irritation. H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

Paragraphs modified from the previous revision:

#### 2. HAZARDS IDENTIFICATION

SECTION 3: Composition/information on ingredients SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information SECTION 14: Transport information SECTION 15: Regulatory information

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.

European Agreement concerning the International Carriage of Dangerous Goods by Road. Chemical Abstracts Service (division of the American Chemical Society). ADR:

CAS:

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

Globally Harmonized System of Classification and Labeling of Chemicals. GHS: International Air Transport Association. IATA:

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

International Civil Aviation Organization.

Technical Instructions by the "International Civil Aviation Organization" (ICAO). ICAO: ICAO-TI:

IMDG: International Maritime Code for Dangerous Goods INCI: International Nomenclature of Cosmetic Ingredients. Explosion coefficient. KSt:

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. Short Term Exposure limit STEL: STOT: Specific Target Organ Toxicity. Threshold Limiting Value.

TLV: 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



Label model

LNP130 Lucido NC Bianco

#### Hazard pictograms:

Danger

#### Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn

H336 May cause drowsiness or dizziness

H373 May cause damage to organs through

Precautionary statements:

P202 Do not handle until all safety precautions have been read and understood P210 Keep away from heat, hot surfaces, sparks, open flatnes and other ignition

sources. No smoking.

P240 Ground/bond container and receiving equipmen

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.

P370+P378 In case of fire: Use CO2, Foam, Chemical powders to extinguish.

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

ethyl acetate toluene propan-2-ol n-butyl acetate

Quantity: Company:

