

Safety Data Sheet

LNC140 - Lucido Nitro Tuffo-velo

Safety Data Sheet dated 6/2/2014, version 9




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

- 1.1. Product identifier
Mixture identification:
Trade name: Lucido Nitro Tuffo-velo
Trade code: LNC140
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Surface coating
Uses advised against:

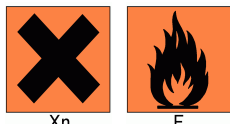
- 1.3. Details of the supplier of the safety data sheet
Company:



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. - Phone n. +39 499322311
Sirca S.p.A. +39 049 9322311 (08.00 - 17.00)

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
Properties / Symbols:
Toxic for reproduction category 3
 F+ Highly flammable
 Xn Harmful
 Xi Irritant
- R Phrases:
R11 Highly flammable.
R36/38 Irritating to eyes and skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 Possible risk of harm to the unborn child
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
- Adverse physicochemical, human health and environmental effects:
No other risks known

2.2. Label elements



- Symbols:
 Xn Harmful
 F+ Highly flammable
- R Phrases:
R11 Highly flammable.
R36/38 Irritating to eyes and skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 Possible risk of harm to the unborn child
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
- S Phrases:
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe gas/fumes/vapour/spray.
S25 Avoid contact with eyes.
S29 Do not empty into drains.
S33 Take precautionary measures against static discharges.
S36/37 Wear suitable protective clothing and gloves.
S43 In case of fire, use CO2, Foam, Chemical powders
S7/9 Keep container tightly closed and in a well-ventilated place.
- Contents:

Safety Data Sheet

LNC140 - Lucido Nitro Tuffo-velo

toluene

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other risks known

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

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

25% - 48% toluene

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

F, Repr. Cat. 3, Xn, Xi; R11-38-48/20-63-65-67

⚠ 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

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.8/3 STOT SE 3 H336

12.5% - 20% butanone

REACH No.: 01-2119457290-43-xxxx, Index number: 606-002-00-3, CAS: 78-93-3, EC: 201-159-0

F, Xi; R11-36-66-67

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H336

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

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

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.8/3 STOT SE 3 H336

5% - 7% xylene [4]

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

Xn, Xi; R65-10-20/21-38

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H335

⚠ 3.9/2 STOT RE 2 H373

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.1/4/Dermal Acute Tox. 4 H312

⚠ 3.1/4/Inhal Acute Tox. 4 H332

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

F, Xi; R11-36-67

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H336

3% - 5% 4-methylpentan-2-one; isobutyl methyl ketone

REACH No.: 01-2119473980-30-xxxx, Index number: 606-004-00-4, CAS: 108-10-1, EC: 203-550-1

F, Xn, Xi; R11-20-36/37-66

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H335

⚠ 3.1/4/Inhal Acute Tox. 4 H332

3% - 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

Xn, Xi; R20/21/22-36/38

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.1/4/Dermal Acute Tox. 4 H312

⚠ 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

Safety Data Sheet

LNC140 - Lucido Nitro Tuffo-velo

Xn; R.11-20

2.6/2 Flam. Liq. 2 H225

3.1/4/Inhal Acute Tox. 4 H332

DECL*

*DECL: Classified accordingly to directive 67/548/EEC

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.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

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

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

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

Provide adequate ventilation.

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

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

Use localized ventilation system.

Safety Data Sheet

LNC140 - Lucido Nitro Tuffo-velo

- 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
Always keep the containers tightly closed.
Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from flame and sparks. Avoid accumulating electrostatic charge.
Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.
- 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

8.1. Control parameters

Lucido Nitro Tuffo-velo
TLV TWA - N.A.
TLV STEL - N.A.
VLE 8h - N.A.
VLE short - N.A.

toluene - CAS: 108-88-3
(OEL (IT)) - LTE: 192 mg/m³, 50 ppm - STE: N.A. N.A. - Behaviour: Binding - Notes: Pelle
EU - LTE: 192 mg/m³, 50 ppm - STE: 384 mg/m³, 100 ppm - Behaviour: N.A. - Notes: Skin
ACGIH - LTE: 188.4 mg/m³, 50 ppm - STE: N.A. N.A. - Behaviour: N.A. - Notes: A4 Skin

butanone - CAS: 78-93-3
(OEL (IT)) - LTE: 600 mg/m³, 200 ppm - STE: 900 mg/m³, 300 ppm - Behaviour: Binding - Notes: N.A.
EU - LTE: 600 mg/m³, 200 ppm - STE: 900 mg/m³, 300 ppm - Behaviour: N.A. - Notes: N.A.
ACGIH - LTE: 589.78 mg/m³, 200 ppm - STE: 884.66 mg/m³, 300 ppm - Behaviour: N.A. - Notes: N.A.

n-butyl acetate - CAS: 123-86-4
TLV TWA - 150 ppm - 712,64 mg/m³
TLV STEL - 200 ppm - 950,18 mg/m³
VLE 8h - N.A.
VLE short - N.A.

xylene [4] - CAS: 1330-20-7
(OEL (IT)) - LTE: 221 mg/m³, 50 ppm - STE: 442 mg/m³, 100 ppm - Behaviour: Binding - Notes: pelle
EU - LTE: 221 mg/m³, 50 ppm - STE: 442 mg/m³, 100 ppm - Behaviour: N.A. - Notes: skin
ACGIH - LTE: 434.19 mg/m³, 100 ppm - STE: 651.29 mg/m³, 150 ppm - Behaviour: N.A. - Notes: A4

propan-2-ol - CAS: 67-63-0
TLV TWA - 200 ppm, A4 - 491,53 mg/m³, A4
TLV STEL - 400 ppm, A4 - 983,07 mg/m³, A4
VLE 8h - N.A.
VLE short - N.A.

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1
(OEL (IT)) - LTE: 83 mg/m³, 20 ppm - STE: 208 mg/m³, 50 ppm - Behaviour: Binding - Notes: N.A.
EU - LTE: 83 mg/m³, 20 ppm - STE: 208 mg/m³, 50 ppm - Behaviour: N.A. - Notes: N.A.
ACGIH - LTE: 204.83 mg/m³, 50 ppm - STE: 307.24 mg/m³, 75 ppm - Behaviour: N.A. - Notes: N.A.

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
(OEL (IT)) - LTE: 98 mg/m³, 20 ppm - STE: 246 mg/m³, 50 ppm - Behaviour: Binding - Notes: pelle
EU - LTE: 98 mg/m³, 20 ppm - STE: 246 mg/m³, 50 ppm - Behaviour: N.A. - Notes: Skin
ACGIH - LTE: 96.66 mg/m³, 20 ppm - STE: N.A. N.A. - Behaviour: N.A. - Notes: A3

ethylbenzene - CAS: 100-41-4
(OEL (IT)) - LTE: 442 mg/m³, 100 ppm - STE: 884 mg/m³, 200 ppm - Behaviour: Binding - Notes: pelle
EU - LTE: 442 mg/m³, 100 ppm - STE: 884 mg/m³, 200 ppm - Behaviour: N.A. - Notes: Skin
ACGIH - LTE: 434.19 mg/m³, 100 ppm - STE: 542.74 mg/m³, 125 ppm - Behaviour: N.A. - Notes: A3

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. CEN/FFP-2(S) or CEN/FFP-3(S).

Safety Data Sheet

LNC140 - Lucido Nitro Tuffo-velo

Thermal Hazards:
None known
Environmental exposure controls:
None known

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:	< 21 °C
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0.955 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.
Viscosity (typical value):	55 " Din cup # 4
Explosive properties:	N.A.
Oxidizing properties:	N.A.

9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

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

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

toluene - CAS: 108-88-3

Test: LD50 - Route: Oral - Species: Rat N.A. 636 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.

butanone - CAS: 78-93-3

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.

Test: Skin Corrosive - Route: N.A. - Species: Rabbit N.A. N.A. N.A. - Duration: N.A. - Source: N.A. - Notes: moderatamente irritante

Test: Eye Irritant - Route: N.A. - Species: Rabbit N.A. N.A. N.A. - Duration: N.A. - Source: N.A. - Notes: altamente irritante

Test: Skin Sensitization - Route: N.A. - Species: Cavia porcellus N.A. N.A. N.A. - Duration: N.A. - Source: N.A. - Notes: non sensibilizzante

Test: Genotoxicity - Route: N.A. - Species: Salmonella Typhimurium N.A. N.A. N.A. - Duration: N.A. - Source: N.A. - Notes: non mutageno

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

Test: LC50 - Route: Inhalation - Species: Rat > 21 mg/l - Duration: 4h - Source: N.A. - Notes: N.A.

Test: LD50 - Route: Oral - Species: Rat N.A. 14000 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.

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

Test: LD50 - Route: Inhalation - Species: Rat = 27 mg/l - Duration: 4h - Source: N.A. - Notes: N.A.

Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.

Safety Data Sheet

LNC140 - Lucido Nitro Tuffo-velo

Test: LD50 - Route: Skin - Species: Rabbit = 12126 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.
propan-2-ol - CAS: 67-63-0
Test: LC50 - Route: Oral - Species: Rat > 2000 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.
4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1
Test: LC50 - Route: Inhalation - Species: Rat = 23.29 g/m3 - Duration: N.A. - Source: N.A. - Notes: N.A.
Test: LD50 - Route: Oral - Species: Rat = 2080 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.
Test: LC50 - Route: Inhalation - Species: Rat = 8.2 mg/l - Duration: 4h - Source: N.A. - Notes: N.A.
Test: LD50 - Route: Skin - Species: Rabbit = 2000 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
Test: LD50 - Route: Oral - Species: Rat N.A. 1480 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.
Test: LD50 - Route: Skin - Species: Rabbit N.A. 435 mg/kg - Duration: N.A. - Source: N.A. - Notes: N.A.
Test: LC50 - Route: Inhalation Vapour - Species: Rat male N.A. 2.4 mg/l - Duration: 4h - Source: N.A. - Notes: N.A.
Test: LC50 - Route: Inhalation Vapour - Species: Rat Female N.A. 2.2 mg/l - Duration: 4h - Source: N.A. - Notes: N.A.
Test: Skin Irritant - Route: N.A. - Species: Rabbit Yes N.A. N.A. - Duration: N.A. - Source: N.A. - Notes: Provoca irritazione cutanea
Test: Eye Irritant - Route: N.A. - Species: Rabbit Yes N.A. N.A. - Duration: N.A. - Source: N.A. - Notes: provoca grave irritazione oculare

Possible risk of harm to the unborn child

Toxic for reproduction category 3

SECTION 12: Ecological information

12.1. Toxicity

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

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

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 674 mg/l - Duration h: 72

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

c) Bacteria toxicity:

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

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1490 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1815 mg/l - Duration h: 24

c) Bacteria toxicity:

Endpoint: EC50 - Species: Active mud > 700 mg/l - Duration h: 16

12.2. Persistence and degradability

None known

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

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

ADR/RID: 1263, Paint related material, 3, II, ADR

IMCO: 3 UN1263 P.G. II

LNC140 | 9 | 6/2/2014 | en | NNN

Page n. 6 of 7

Safety Data Sheet

LNC140 - Lucido Nitro Tuffo-velo

ICAO/IATA-DGR: 3 UN1263 P.G. II P.I. 364

IMDG-EMS: F-E , S-E

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

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):	70 %	
Total Volatile Organic Carbon (typical value):		53.39 %
Total solids content:	29.4 - 30.6 %	

15.2. Chemical safety assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:

R.11 Highly flammable.

R10 Flammable.

R11 Highly flammable.

R20 Harmful by inhalation.

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

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36 Irritating to eyes.

R36/37 Irritating to eyes and respiratory system.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63 Possible risk of harm to the unborn child

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H361 Suspected of damaging fertility or the unborn child.

H304 May be fatal if swallowed and enters airways.

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

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H319 Causes serious eye 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:

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.