



Safety Data Sheet

7FDL2500 - ACR UV High gloss topcoat SP

Safety Data Sheet dated 2/2/2021, version 1

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

- 1.1. Product identifier
Mixture identification:
Trade name: ACR UV High gloss topcoat SP
Trade code: 7FDL2500
- 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, Eye Irrit. 2, Causes serious eye irritation.
⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.
⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.
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.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.

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H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P243 Take action to prevent static discharges.

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.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

butanone

n-butyl acetate

Neopentylglycol, propoxylated, esters with acrylic acid

Glycerol, propoxylated, esters with acrylic acid: May produce an allergic reaction.

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide: May produce an allergic reaction.

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:

>= 12.5% - < 20% Acrylate resin

⚠ 3.3/2 Eye Irrit. 2 H319

>= 12.5% - < 20% butanone

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

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H336

EUH066

>= 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

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- >= 9.9% - < 12.5% Neopentylglycol, propoxylated, esters with acrylic acid
REACH No.: 01-2119970213-43-xxxx, CAS: 84170-74-1, EC: 617-546-6
⚠ 3.4.2/1 Skin Sens. 1 H317
⚠ 4.1/C2 Aquatic Chronic 2 H411
- >= 5% - < 7% Glycerol, propoxylated, esters with acrylic acid
REACH No.: 01-2119487948-12-xxxx, CAS: 52408-84-1, EC: 500-114-5
⚠ 3.4.2/1 Skin Sens. 1 H317
⚠ 3.3/2 Eye Irrit. 2 H319
- >= 3% - < 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
⚠ 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
- >= 2.5% - < 3% 2-Hydroxy-2-methylpropiophenone
REACH No.: 01-2119472306-39-xxxx, CAS: 7473-98-5, EC: 231-272-0
⚠ 3.1/4/Oral Acute Tox. 4 H302
4.1/C3 Aquatic Chronic 3 H412
- >= 0.5% - < 1% ethylbenzene
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
- >= 0.25% - < 0.5% diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
REACH No.: 01-2119972295-29-xxxx, Index number: 015-203-00-X, CAS: 75980-60-8, EC: 278-355-8
⚠ 3.4.2/1B Skin Sens. 1B H317
⚠ 3.7/2 Repr. 2 H361
⚠ 4.1/C2 Aquatic Chronic 2 H411
- >= 0.0015% - < 0.05% methanol
REACH No.: 01-2119433307-44-xxxx, Index number: 603-001-00-X, CAS: 67-56-1, EC: 200-659-6
⚠ 2.6/2 Flam. Liq. 2 H225
⚠ 3.8/1 STOT SE 1 H370
⚠ 3.1/3/Oral Acute Tox. 3 H301
⚠ 3.1/3/Dermal Acute Tox. 3 H311
⚠ 3.1/3/Inhal Acute Tox. 3 H331

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- >= 0.0015% - < 0.05% acrylic acid
REACH No.: 01-2119452449-31-xxxx, Index number: 607-061-00-8, CAS: 79-10-7, EC: 201-177-9
- ⚠ 2.6/3 Flam. Liq. 3 H226
 - ⚠ 3.1/4/Oral Acute Tox. 4 H302
 - ⚠ 3.1/4/Dermal Acute Tox. 4 H312
 - ⚠ 3.1/4/Inhal Acute Tox. 4 H332
 - ⚠ 3.8/3 STOT SE 3 H335
 - ⚠ 3.2/1A Skin Corr. 1A H314
 - ⚠ 3.3/1 Eye Dam. 1 H318
 - ⚠ 4.1/A1 Aquatic Acute 1 H400
 - ⚠ 4.1/C2 Aquatic Chronic 2 H411

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).

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

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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

For non emergency personnel:

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

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.

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

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 in a well ventilated place.

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:

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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

butanone - CAS: 78-93-3

(OEL (IT)) - TWA(8h): 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm - Behaviour: Binding

EU - TWA(8h): 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm

ACGIH - TWA(8h): 200 ppm - STEL: 300 ppm - Notes: BEI - URT irr, CNS and PNS impair

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

TWA (Italia) - TWA: 150 ppm - STEL: 200 ppm

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

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

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

methanol - CAS: 67-56-1

(OEL (IT)) - TWA(8h): 260 mg/m³, 200 ppm - Behaviour: Binding - Notes: Pelle

EU - TWA(8h): 260 mg/m³, 200 ppm - Notes: Skin

ACGIH - TWA(8h): 200 ppm - STEL: 250 ppm - Notes: Skin, BEI - Headache, eye dam, dizziness, nausea

acrylic acid - CAS: 79-10-7

EU - TWA(8h): 29 mg/m³, 10 ppm - STEL: 59 mg/m³, 20 ppm - Notes: STEL duration: 1 min

ACGIH - TWA(8h): 2 ppm - Notes: Skin, A4 - URT irr

DNEL Exposure Limit Values

butanone - CAS: 78-93-3

Worker Industry: 1161 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 600 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 412 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 106 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 31 mg/Kg-bw/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,

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local effects
Worker Professional: 300 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
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
Neopentylglycol, propoxylated, esters with acrylic acid - CAS: 84170-74-1
Worker Industry: 11.75 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 3.33 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 0.117 mg/cm² - Exposure: Human Dermal - Frequency: Long Term, local effects
Consumer: 2.9 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Consumer: 1.67 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 0.117 mg/cm² - Exposure: Human Dermal - Frequency: Long Term, local effects
Glycerol, propoxylated, esters with acrylic acid - CAS: 52408-84-1
Worker Professional: 1.92 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 16.22 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.15 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 4.87 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.39 mg/kg/day - Exposure: Human Oral - 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,

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systemic effects

2-Hydroxy-2-methylpropiophenone - CAS: 7473-98-5

Worker Industry: 3.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 3.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Consumer: 0.9 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.5 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.4 mg/Kg-bw/day - 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

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide - CAS: 75980-60-8

Worker Industry: 3.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

methanol - CAS: 67-56-1

Worker Industry: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 260 mg/kg/day - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 40 mg/kg/day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 40 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

acrylic acid - CAS: 79-10-7

Worker Industry: 30 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 30 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 1 mg/cm² - Exposure: Human Dermal - Frequency: Short Term, local effects

PNEC Exposure Limit Values

butanone - CAS: 78-93-3

Target: Marine water - Value: 55.8 mg/l

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Target: Fresh Water - Value: 55.8 mg/l
Target: occasional emission - Value: 55.8 mg/l
Target: STP - Value: 709 mg/l
Target: Freshwater sediments - Value: 284.7 mg/kg dwt
Target: Marine water sediments - Value: 284.7 mg/kg dwt
Target: Soil (agricultural) - Value: 22.5 mg/kg
Target: orally (secondary poisoning) - Value: 1000 mg/kg

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
Target: STP - Value: 35.6 mg/l

Neopentylglycol, propoxylated, esters with acrylic acid - CAS: 84170-74-1
Target: Marine water - Value: 0.00027 mg/l
Target: Fresh Water - Value: 0.0027 mg/l
Target: Marine water sediments - Value: 0.01881 mg/kg dwt
Target: Freshwater sediments - Value: 0.1881 mg/kg dwt
Target: Soil (agricultural) - Value: 0.036 mg/kg dwt

Glycerol, propoxylated, esters with acrylic acid - CAS: 52408-84-1
Target: Fresh Water - Value: 0.00574 mg/l
Target: Marine water - Value: 0.000574 mg/l
Target: Freshwater sediments - Value: 0.01697 mg/kg
Target: Soil (agricultural) - Value: 0.00111 mg/kg
Target: STP - Value: 10 mg/l
Target: Marine water sediments - Value: 0.001697 mg/kg

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

2-Hydroxy-2-methylpropiophenone - CAS: 7473-98-5
Target: Fresh Water - Value: 0.00195 mg/l
Target: Marine water - Value: 0.000195 mg/l
Target: occasional emission - Value: 0.0195 mg/l
Target: Marine water sediments - Value: 0.000514 mg/kg
Target: Soil (agricultural) - Value: 0.000674 mg/kg
Target: STP - Value: 45 mg/l

ethylbenzene - CAS: 100-41-4
Target: Fresh Water - Value: 0.1 mg/l
Target: Marine water - Value: 0.01 mg/l
Target: Freshwater sediments - Value: 13.7 mg/l
Target: Marine water sediments - Value: 13.7 mg/l
Target: occasional emission - Value: 0.1 mg/l

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide - CAS: 75980-60-8
Target: Fresh Water - Value: 0.00353 mg/l
Target: Marine water - Value: 0.000353 mg/l

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Target: occasional emission - Value: 0.0353 mg/l
Target: Freshwater sediments - Value: 0.29 mg/kg
Target: Marine water sediments - Value: 0.029 mg/kg
Target: Soil (agricultural) - Value: 0.0557 mg/kg
methanol - CAS: 67-56-1
Target: Marine water - Value: 15.4 mg/l
Target: Fresh Water - Value: 154 mg/l
Target: occasional emission - Value: 1540 mg/l
Target: STP - Value: 100 mg/l
Target: Soil (agricultural) - Value: 23.5 mg/l
acrylic acid - CAS: 79-10-7
Target: Fresh Water - Value: 0.003 mg/l
Target: Marine water - Value: 0.0003 mg/l
Target: occasional emission - Value: 0.0013 mg/l
Target: Microorganisms in sewage treatments - Value: 0.9 mg/l
Target: Freshwater sediments - Value: 0.0236 mg/kg
Target: Marine water sediments - Value: 0.00236 mg/kg
Target: Soil (agricultural) - Value: 1 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.

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

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.

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Flash point:	< 23°C (< 73.4 °F)
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.0000 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):	40.00 " 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
Toxicological information of the product:
N.A.
Toxicological information of the main substances found in the product:
butanone - CAS: 78-93-3
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2737 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 6480 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 23.5 mg/l - Duration: 8h
 - b) skin corrosion/irritation:
Test: Skin Corrosive - Species: Rabbit Negative - Notes: moderatamente irritante
- 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

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Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

Neopentylglycol, propoxylated, esters with acrylic acid - CAS: 84170-74-1

a) acute toxicity:

Test: LD50 - Route: Inhalation - Species: Rat = 2 mg/l - Duration: 4h - Source: (Metod OECD TG 403)

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: (Metod OECD TG 401)

Test: LD50 - Route: Skin - Species: Rat = 2000 mg/kg - Source: (Metod OECD TG 402)

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Cavia porcellus Positive

e) germ cell mutagenicity:

Test: Mutagenesis Negative

g) reproductive toxicity:

Test: NOAEL - Route: Oral - Species: Rat = 1000 mg/kg

Glycerol, propoxylated, esters with acrylic acid - CAS: 52408-84-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5 mg/l - Duration: 4h - Notes: Seria opacità della cornea, notevole arrossamento ed edema

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

2-Hydroxy-2-methylpropiophenone - CAS: 7473-98-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1694 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 6929 mg/kg

b) skin corrosion/irritation:

Test: Eye Irritant - Species: Rabbit No

Test: Skin Irritant - Species: Rabbit No

ethylbenzene - CAS: 100-41-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 4710 mg/kg body weight

Test: LD50 - Route: Skin - Species: Rabbit = 15400 mg/kg

Test: LCLo - Route: Inhalation - Species: Rat = 4000 Ppm - Duration: 4h

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Cavia porcellus Negative

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide - CAS: 75980-60-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Notes: (OECD - Guide Line 401)

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Notes: (OECD - Guide Line 402)

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative

d) respiratory or skin sensitisation:

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Test: Skin Sensitization - Species: Rat Positive
methanol - CAS: 67-56-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2769 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 17000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 128.2 mg/l - Duration: 4h

acrylic acid - CAS: 79-10-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 617 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5.1 mg/l - Duration: 4h

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.

butanone - CAS: 78-93-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 3220 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 520 mg/l - Duration h: 48

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

Neopentylglycol, propoxylated, esters with acrylic acid - CAS: 84170-74-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.7 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 37 mg/l - Duration h: 37

Endpoint: EC50 - Species: Algae = 11 mg/l - Duration h: 72

Endpoint: NOEC - Species: Active mud = 2 mg/l

b) Aquatic chronic toxicity:

Endpoint: CE10 - Species: Algae = 2.3 mg/l - Duration h: 72

Glycerol, propoxylated, esters with acrylic acid - CAS: 52408-84-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 5.74 mg/l - Duration h: 96 - Notes: Guide line 203 (OECD)

Endpoint: EC50 - Species: Daphnia = 91.4 mg/l - Notes: (OECD TG 202)

Endpoint: ErC50 - Species: Algae = 12.2 mg/l - Notes: (OECD TG 201)

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Endpoint: EC50 - Species: Active mud > 1000 mg/l - Notes: Line directive 209 (OECD)
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

2-Hydroxy-2-methylpropiophenone - CAS: 7473-98-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 160 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 1.95 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia > 119 mg/l - Duration h: 48

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 42.3 mg/l - Duration h: 96

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide - CAS: 75980-60-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 6.53 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia = 3.53 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 2.01 mg/l - Duration h: 72

Endpoint: CE10 - Species: Algae = 1.56 mg/l - Duration h: 72

Endpoint: CE20 - Species: Active mud > 1000 mg/l

methanol - CAS: 67-56-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 15400 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 10000 mg/l - Duration h: 48

acrylic acid - CAS: 79-10-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 0.04 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 222 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 270 mg/l - Duration h: 24

Endpoint: EC50 - Species: Daphnia = 95 mg/l - Duration h: 48

12.2. Persistence and degradability

None known

Neopentylglycol, propoxylated, esters with acrylic acid - CAS: 84170-74-1

Biodegradability: Non-readily biodegradable - Notes: 41% 28d (Method: OCDE Guide line 301D)

Biodegradability: Non-readily biodegradable - Notes: 70% 56d (Method: OECD TG 301D)

12.3. Bioaccumulative potential

Neopentylglycol, propoxylated, esters with acrylic acid - CAS: 84170-74-1

Bioaccumulation: Bioaccumulative - Test: Kow - Partition coefficient 2.41

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.

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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: 1263
- 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)
 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-Transport category (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 , S-E
- 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)

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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)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 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):	30 %
Total Volatile Organic Carbon (typical value):	20.07 %
Total solids content:	68.6 - 71.4 %
Total Volatile Organic Compounds (typical value):	300 gr/l

15.2. Chemical safety assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:

H319 Causes serious eye irritation.

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.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

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.

H302 Harmful if swallowed.

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H412 Harmful to aquatic life with long lasting effects.
H361 Suspected of damaging fertility or the unborn child.
H370 Causes damage to organs.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.

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.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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.



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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

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Label model

7FDL2500

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Hazard pictograms:

Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P240 Ground and bond container and receiving equipment.
- P243 Take action to prevent static discharges.
- 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.
- P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

- EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

- butanone
- n-butyl acetate
- Neopentylglycol, propoxylated, esters with acrylic acid
- Glycerol, propoxylated, esters with acrylic acid: May produce an allergic reaction.
- diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide: May produce an allergic reaction.

Quantity:

Company: