

Safety data sheet

GELCOAT SPRAY

According to Regulation (EC) 1907/2006 - Regulation 878/2020

Data of issue 24/11/2022

Printing date 04/01/2023

Revision 2 of 04/01/2023

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: GELCOAT SPRAY
Product code: 40.304/40.604
UFI code: V9MK-83U4-800V-9Y78

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

Aerosol paint product

1.3 Details of the supplier of the safety data sheet

Company name: Silpar TK snc
Address: Via Rosa Luxemburg 12/14
10093 - Collegno (TO)
Telephone: +39 011 7791177
Fax: +39 011 7791177
Email: sicurezza@silpartkline.com

1.4 Emergency telephone number

CAVp "Osp. Pediatrico Bambino Gesù - Roma	Tel. +39 06 68593726
Az. Osp. Univ. Foggia	Tel. +39 0881 732326
Az. Osp. "A. Cardarelli" - Napoli	Tel. +39 081 7472870
CAV Policlinico "Umberto I" - Roma	Tel. +39 06 49978000
CAV Policlinico "A. Gemelli" - Roma	Tel. +39 06 3054343
Az. Osp. "Careggi" U.O. Tossicologia Medica - Firenze	Tel. +39 055 7947819
CAV Centro Nazionale di Informazione Tossicologica - Pavia	Tel. +39 0382 24444
Osp. Niguarda Ca' Granda - Milano	Tel. +39 02 66101029
Azienda Ospedaliera Papa Giovanni XXII - Bergamo	Tel. +39 800 883300
Azienda Ospedaliera Universitaria Integrata Verona	Tel. +39 800 011858

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Reg. EU n°1272/2008 [CLP]

Aerosols 1, H222+H229
Eye Irrit. 2, H319
STOT SE 3, H336

2.2 Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements: H222 Extremely flammable aerosol
H229 Pressurised container: May burst if heated
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand

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- P102 Keep out of reach of children
- P103 Read label before use
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P501 Dispose of contents/container in accordance with local/regional/ national/international regulations

Special provisions:

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist

Contains:

acetone; 2-propanone; propanone
n-butyl acetate
ethyl acetate
Naphtha, C9 aromatic hydrocarbons

2.3 Other hazards

Substance vPvB: None - Substance PBT: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

N.A.

3.2 Mixtures

1.CAS 2.N° EC 3.N° Index 4.N° REACH	Name	Weight (%)	Classification 1272/2008 (CLP)
1. 115-10-6 2. 204-065-8 3. 603-019-00-8 4. 01-2119472128-37-XXXX	Dimethyl ether; methyl oxide	30-40	Flam. Gas 1 H220 Press Gas (Comp.) H280
1. 67-64-1 2. 200-862-2 3. 606-001-00-8 4. 01-2119471330-49-XXXX	acetone; 2-propanone; propanone	15-20	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 EUH066
1. 123-86-4 2. 204-658-1 3. 607-025-00-1 4. 01-2119485493-29-XXXX	n-butyl acetate	15-20	Flam. Liq. 3 H226 STOT SE 3 H336 EUH066
1. 13463-67-7 2. 238-675-5 3. 022-006-00-2 4. Not Available	Titanium dioxide; [powder containing >= 1 % particles with aerodynamic diameter <= 10 microm]	10-12.5	Carc. 2 H351
1. 74-98-6 2. 200-827-9 3. 601-003-00-5 4. -01-2119486944-21-0046	Propane	3-5	Flam. Gas 1 H220 Press. Gas H280

1. 108-94-1 2. 203-631-1 3. 606-010-00-7 4. –	Cyclohexanone	3-5	Flam. Liq. 3 H226 Inhal Acute Tox. 4 H332
1. 87741-01-3 2. 289-339-5 3. 649-113-00-2 4. -01-2119480480-41-XXXX	C4 hydrocarbons; petroleum gas	3-5	Flam. Gas 1 H220 Press. Gas H280
1. 141-78-6 2. 205-500-4 3. 607-022-00-5 4. -01-2119475103-46-XXXX	Ethyl acetate	1-3	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 EUH066
1. 111-76-2 2. 203-905-0 3. 603-014-00-0 4. 01-2119475108-36-XXXX	2-butoxyethanol; ethylene glycol monobutyl ether	1-3	Acute Tox. 4 H332 Oral Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319
1. 64742-95-6 2. 918-668-5 3. Not Available 4. 01-2119455851-35 -XXXX	Hydrocarbons, C9, aromatics	1-3	Flam. Liq. 3 H226 Asp. Tox. 1 H304 STOT SE 3 H335 STOT SE 3 H336 Aquatic Chronic 2 H411 EUH066 DECLP(CLP)*
1. 1330-20-7 2. 215-535-7 3. 601-022-00-9 4. 01-2119488216-32-XXXX	xylene (mixture of isomers)	1-3	Flam. Liq. 3 H226 Asp. Tox. 1 H304 Eye Irrit. 2 H319 STOT SE 3 H335 STOT RE 2 H373 Skin Irrit. 2 H315 Dermal Acute Tox. 4 H312 Inhal Acute Tox. 4 H332 Aquatic Chronic 3 H412
1. 108-65-6 2. 203-603-9 3. 607-195-00-7 4. 01-2119475791-29-XXXX	1-methyl-2- methoxyethyl acetate; 2-methoxy-1- methylethyl acetate	0.25-5	Flam. Liq. 3 H226 STOT SE 3 H336

The full text of the H phrases is given in section 16 of the safety data sheet

*DECLK(CLP): Substance classified in accordance with Note K, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (Einecs No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 should apply. This note applies only to certain complex oil-derived substances in Part 3.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	In case of contact with the eyes, rinse them with water for an adequate amount of time and keeping the eyelids open, then immediately consult an ophthalmologist. Protect the uninjured eye.
Skin contact	Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.
Ingestion	Do not under any circumstances induce vomiting. SEEK MEDICAL EXAMINATION IMMEDIATELY
Inhalation	Remove to open air. If unwell, contact a doctor.

4.2 Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by the contained substances, see chap. 11.

4.3 Indication of any immediate medical attention and special treatment needed

In the event of an accident or discomfort, consult a doctor immediately (if possible show the instructions for use or the safety data sheet).

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3 Advice for firefighters

The heat causes an increase in pressure inside the container with the risk of bursting.

In the event of a fire, the aerosols, when they explode, can be projected violently at a distance, with the risk of spreading the fire.

Use suitable respiratory equipment.

Collect the contaminated water used to extinguish the fire separately. Do not discharge it into the sewer system.

If feasible from a safety point of view, move undamaged containers from the area of immediate danger.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

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

Do not use empty containers before they have been cleaned.

Before transferring operations, make sure that there are no incompatible residual materials in the containers.

See also paragraph 8 for recommended protective devices.

General recommendations on occupational hygiene:

Contaminated clothing must be replaced before entering the dining areas. At work do not eat or drink.

7.2 Conditions for safe storage, including any incompatibilities

Vapors are heavier than air and can expand to the ground and form explosive mixtures with air. Prevent the formation of flammable or explosive concentrations in the air.

Store at temperatures below 20 ° C. Keep away from naked flames and heat sources.

Avoid direct exposure to the sun.

Keep away from open flames, sparks and heat sources. Avoid direct exposure to the sun.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

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Indication for the premises:

Fresh and adequately ventilated.

Provisions relating to the EU directive 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

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7.3 Specific end use(s)

See section 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

dimethyl ether; methyl oxide - CAS: 115-10-6

UE - TWA(8h): 1920 mg/m³, 1000 ppm

Acetone - CAS: 67-64-1

UE - TWA(8h): 1210 mg/m³, 500 ppm

ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm

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

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm

UE - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm

Titanium dioxide; [in powder containing >= 1 % of particles with aerodynamic diameter <= 10 microm] - CAS: 13463-67-7

ACGIH - TWA(8h): 10 mg/m³

Cyclohexanone - CAS: 108-94-1

UE - TWA(8h): 40.8 mg/m³, 10 ppm - STEL: 81.6 mg/m³, 20 ppm

ACGIH - TWA(8h): 20 ppm - STEL: 50 ppm

Ethyl acetate - CAS: 141-78-6

UE - TWA(8h): 734 mg/m³, 200 ppm - STEL: 1468 mg/m³, 400 ppm

ACGIH - TWA(8h): 400 ppm

2-butossietanolo - CAS: 111-76-2

UE - TWA(8h): 20 ppm / 98 mg/m³ - STEL: 246 mg/m³ / 50 ppm

Xylene - CAS: 1330-20-7

UE - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm

ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm

1-Methyl-2-Methoxyethyl Acetate; 2-Methoxy-1-methylethyl acetate - CAS: 108-65-6

UE - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm

DNEL exposure limit values

Acetone; 2-propanone; propanone - CAS: 67-64-1

Industrial worker: 186 mg/kg - Professional worker: 186 mg/kg - Exposure:

Human Dermal - Frequency: Long term, systemic effects

Industrial worker: 2420 mg/m³ - Professional worker: 2420 mg/m³ -

Exposure: Human Inhalation - Frequency: Short term, local effects

Industrial worker: 1210 mg/m³ - Professional worker: 1210 mg/m³ -

Exposure: Human Inhalation - Frequency: Long term, systemic effects

Consumer: 62 mg/kg - Exposure: Oral Human - Frequency: Long term, systemic effects

Consumer: 62 mg/kg - Exposure: Human Dermal - Frequency: Long term, systemic effects

Consumer: 200 mg/m³ - Exposure: Human Inhalation - Frequency: Long term, systemic effects

n-Butyl acetate

Dermal 7 mg/kg bw/day (Systemic, chronic)

Inhalation 48 mg/m³ (Systemic, chronic)

Inhalation 300 mg/m³ (Local, chronic)

Dermal 11 mg/kg bw/day (Systemic, acute)

Inhalation 600 mg/m³ (Systemic, acute)

Inhalation 600 mg/m³ (Local, acute)

Dermal 3.4 mg/kg bw/day (Systemic, chronic)*

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Inhalation 12 mg/m³ (Systemic, chronic) *

Oral 2 mg/kg bw/day (Systemic, chronic) *

Inhalation 35.7 mg/m³ (Local, chronic) *

Dermal 6 mg/kg bw/day (Systemic, acute) *

Inhalation 300 mg/m³ (Systemic, acute) *

Oral 2 mg/kg bw/day (Systemic, acute) *

Inhalation 300 mg/m³ (Local, acute) *

C4 hydrocarbons; petroleum gas

Dermal 23.4 mg/kg bw/day (Systemic, Chronic)

Ethyl acetate

Dermal 63 mg/kg bw/day (Systemic, Chronic)

Inhalation 734 mg/m³ (Systemic, Chronic)

Inhalation 734 mg/m³ (Local, chronic)

Inhalation 1 468 mg/m³ (Systemic, acute)

Inhalation 1 468 mg/m³ (Local, acute)

Dermal 37 mg/kg bw/day (Systemic, chronic) *

Inhalation 367 mg/m³ (Systemic, chronic) *

Oral 4.5 mg/kg bw/day (Systemic, chronic) *

Inhalation 367 mg/m³ (Local, chronic) *

Inhalation 734 mg/m³ (Systemic, acute) *

Inhalation 734 mg/m³ (Local, acute) *

2-butoxyethanol

Dermal 125 mg/kg bw/day (Systemic, Chronic)

Inhalation 98 mg/m³ (Systemic, Chronic)

Dermal 89 mg/kg bw/day (Systemic, acute)

Inhalation 1 091 mg/m³ (Systemic, acute)

Inhalation 246 mg/m³ (Local, acute)

Dermal 75 mg/kg bw/day (Systemic, chronic) *

Inhalation 59 mg/m³ (Systemic, chronic) *

Oral 6.3 mg/kg bw/day (Systemic, chronic) *

Dermal 89 mg/kg bw/day (Systemic, acute) *

Inhalation 426 mg/m³ (Systemic, acute) *

Oral 26.7 mg/kg bw/day (Systemic, acute) *

Inhalation 147 mg/m³ (Local, acute) *

Hydrocarbons, C9, aromatics - CAS: 64742-95-6

Consumer: 11 mg/kg - Exposure: Oral Human - Frequency: Long term, systemic effects

Industrial worker: 150 mg/m³ - Professional worker: 150 mg/m³ -

Consumer: 32 mg/m³ - Exposure: Human Inhalation - Frequency: Long term, systemic effects

Industrial worker: 25 mg/kg - Professional worker: 25 mg/kg - Consumer: 11 mg/kg - Exposure: Human dermal -

Frequency: Long term, systemic effects

xylene (mixture of isomers) - CAS: 1330-20-7

Industrial worker: 289 mg/m³ - Professional worker: 289 mg/m³ -

Consumer: 174 mg/m³ - Exposure: Human Inhalation - Frequency: Short term, local effects

Industrial worker: 180 mg/kg - Professional worker: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human dermal -

Frequency: Long term, systemic effects

Industrial worker: 77 mg/m³ - Professional worker: 77 mg/m³ - Consumer: 14.8 mg/m³ - Exposure: Human

inhalation - Frequency: Long term, systemic effects

Consumer: 1.6 mg/kg - Exposure: Oral Human - Frequency: Long term, systemic effects

PNEC exposure limit values

acetone; 2-propanone; propanone - CAS: 67-64-1

Target: Freshwater sediments - Value: 30.4 mg/kg

Target: Marine water sediments - Value: 3.04 mg/kg

Target: Soil (agricultural) - Value: 29.5 mg/kg

Target: Fresh water - Value: 10.6 mg/l

Target: Seawater - Value: 1.06 mg/l

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n-Butyl acetate

0.18 mg/L (Water (Fresh))
0.018 mg/L (Water - intermittent release)
0.36 mg/L (Water (Marine))
0.981 mg/kg sediment dw (Sediment (Freshwater))
0.098 mg/kg sediment dw (Sediment (Marine))
0.09 mg/kg soil dw (Soil)
35.6mg/L (STP)

Ethyl acetate

0.24 mg/L (Water (Fresh))
0.024 mg/L (Water - intermittent release)
1.65 mg/L (Water (Marine))
1.15 mg/kg sediment dw (Sediment (Freshwater))
0.115 mg/kg sediment dw (Sediment (Marine))
0.148 mg/kg soil dw (Soil)
650mg/L (STP)
0.2 g/kg food (Oral)

2-butoxyethanol

8.8 mg/L (Water (Fresh))
0.88 mg/L (Water - intermittent release)
26.4 mg/L (Water (Marine))
34.6 mg/kg sediment dw (Sediment (Freshwater))
3.46 mg/kg sediment dw (Sediment (Marine))
2.33 mg/kg soil dw (Soil)
463 mg/L (STP)
0.02 g/kg food (Oral)

xylene (mixture of isomers) - CAS: 1330-20-7

Target: Fresh water - Value: 0.327 mg/l
Target: Sea water - Value: 0.327 mg/l
Target: Freshwater sediments - Value: 12.46 mg/kg
Target: Marine water sediments - Value: 12.46 mg/kg
Target: Soil (agricultural) - Value: 2.31 mg/l

Technical controls

Ensure adequate ventilation, especially in confined areas.
Make sure eye washers and showers are close to the workplace.
Use anti-exposure equipment
Provide an emergency exit.

8.2 Exposure controls

Hands protection

Protect hands with category work gloves (ref. Standard EN 374).

For the final choice of the material of the work gloves it is necessary to consider: compatibility, degradation, breakage time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. Gloves have a wear time that depends on the duration and method of use.

Respiratory protection

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387). Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

In the event that the substance in question is odorless or its olfactory threshold is higher than the relative exposure limit and in case of emergency, or when the exposure levels are unknown or the concentration of oxygen in the work environment is less than 17% by volume, wear an open-circuit compressed air self-contained breathing apparatus (ref. standard EN 137) or respirator with external air intake for use with a full

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face mask, half mask or mouthpiece (ref. standard EN 138). Provide an eye wash and emergency shower system.

The product must be used in highly ventilated environments and in the presence of strong localized aspirations, otherwise use the personal protective equipment indicated

Eye and face protection

Wear protective goggles (see standard EN 166).

Body and skin protection:

Wear professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid under pressure
Colour:	White
Odour:	Characteristic of solvent
Odour threshold:	N.A.
pH:	N.A.
Melting point/freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Flash point:	<0 °C
Evaporation rate:	N.A.
Flammability (solid, gas):	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour pressure:	5 bar +/- 1
Vapour density (Air=1):	N.A.
Relative density (Water=1):	0.85 kg/l +/- 0.05
Solubility(ies):	N.A.
Partition coefficient: n-octanol/water:	N.A.
Auto-ignition temperature (°C):	>400 °C
Decomposition temperature:	N.A.
Kinematic viscosity:	>20,5mm ² /s (40 °C)
Explosive properties:	N.A.
Oxidising properties:	N.A.

9.2 Other information

Information not available

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

Stable under normal conditions.

10.4 Conditions to avoid

Avoid the accumulation of electrostatic charges, heat, flames and sparks. exposure to light and moisture
Strong acids

10.5 Incompatible materials

Avoid contact with oxidizing materials. The product could catch fire.

10.6 Hazardous decomposition products

Per decomposizione termica possono liberarsi COx

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Unless otherwise specified, the data required by Regulation (EU) 878/2020 indicated below are to be understood

N.A.:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met.

b) skin corrosion / irritation

Not classified

Based on available data, the classification criteria are not met.

c) serious eye damage / eye irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitization

Not classified

Based on available data, the classification criteria are not met.

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met.

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met.

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met.

h) specific target organ toxicity (STOT) - single exposure

The product is classified: STOT SE 3 H336

i) specific target organ toxicity (STOT) - repeated exposure

Not classified

Based on available data, the classification criteria are not met.

j) danger in case of aspiration

Not classified

Based on available data, the classification criteria are not met.

Toxicological information concerning the main substances present in the product:

n-Butyl acetate

a) acute toxicity:

Dermal (rabbit) LD50: 3200 mg/kg

Inhalation (Rat) LC50; 0.74 mg/l4h

Oral (Rabbit) LD50; 3200 mg/kg

titanium dioxide; [powder containing $\geq 1\%$ particles with aerodynamic diameter ≤ 10 microm]

a) acute toxicity:

Dermal (Hamster) LD50: ≥ 10000 mg/kg

Inhalation (Rat) LC50; > 2.28 mg/l4h

Oral (Rat) LD50; ≥ 2000 mg/kg

ethyl acetate; ethyl acetate - CAS: 141-78-6

a) acute toxicity:

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

Test: LC50 - Route: Inhalation - Species: Rabbit 1600 mg/kg

2-butoxyethanol

Inhalation (Rat) LC50; 2.21 mg/l4h

Oral (Rat) LD50; 300 mg/kg

Xylene - CAS: 1330-20-7

a) acute toxicity

ATE - Dermal 1100 mg/kg b.w.

ATE - Inhalation (Vapours) 11 mg/l

Test: LD50 - Route: Oral - Species: Mouse = 5627 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 ml/kg



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Test: LC50 - Route: Inhalation - Species: Rat = 6700 Ppm - Duration: 4h
g) reproductive toxicity:

Test: Reproductive Toxicity - Species: Rat = 500 Ppm
acetone; 2-propanone; propanone - CAS: 67-64-1
LD50 (RABBIT) ORAL: 5300 MG/KG

Cyclohexanone - CAS: 108-94-1
LD50 (RAT) ORAL: 1620 MG/KG
LD50 (RABBIT) SKIN: 1000MG/KG
LD50 (RAT) ORAL: 1536 MG/KG BW
LD50 (RAT) SKIN 1 TIME: 948MG/KG BW

Ethyl acetate - CAS: 141-78-6
LD50 (RABBIT) ORAL: 4935 MG/KG

Xylene - CAS: 1330-20-7
LD50 (RAT) ORAL: 5000 MG/KG

11.2 Information on other hazards

Properties of interference with the endocrine system:
No endocrine disruptors present in concentration >= 0.1%
Flammable product

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

TK GELCOAT SPRAY

Not classified for environmental hazards

Based on available data, the classification criteria are not met.

acetone; 2-propanone; propanone - CAS: 67-64-1

a) Acute aquatic toxicity:

Endpoint: EC50 - Species: Algae = 530 mg/l - Notes: 8 d

Endpoint: LC50 - Species: Fish = 8120 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 8800 mg/l - Duration h: 48

n-Butyl acetate

EC50 72h Algae or other aquatic plants 246mg/l

EC50 48h Shellfish 32mg/l

EC50(ECx) 96h Fish 18mg/l

LC50 96h Fish 18mg/l

b) Chronic aquatic toxicity:

Endpoint: NOEC - Species: Daphnia = 2212 mg/l - Notes: 28 d

Titanium dioxide; [powder containing >= 1 % of particles with an aerodynamic diameter <= 10 microns

EC50 72h Algae or other aquatic plants 3.75-7.58mg/l

EC50 48h Shellfish 1.9mg/l 2

NOEC(ECx) 504h Crustaceans 0.02mg/l

LC50 96h Fish 1.85-3.06mg/l

EC50 96h Algae or other aquatic plants 179.05mg/l

ethyl acetate; ethyl acetate - CAS: 141-78-6

a) Acute aquatic toxicity:

Endpoint: LC50 - Species: Daphnia > 212 mg/l - Duration h: 96

2-butoxyethanol

EC50 72h Algae or other aquatic plants 623mg/l

EC50 48h Shellfish 164mg/l

EC10(ECx) 48h Shellfish 7.2mg/l

LC50 96h Fish 1700mg/l

EC50 96h Algae or other aquatic plants 720mg/l

xylene - CAS: 1330-20-7

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a) Acute aquatic toxicity:

Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24

Endpoint: EC50 - Species: Algae = 4.36 mg/l - Duration h: 76

b) Chronic aquatic toxicity:

Endpoint: NOEL - Species: Fish > 1.3 mg/l - Duration h: 56 - Notes: days

12.2 Persistence and degradability

acetone; 2-propanone; propanone - CAS: 67-64-1

Biodegradability: Rapidly degradable

n-Butyl acetate

Low

Titanium dioxide; [powder containing $\geq 1\%$ of particles with an aerodynamic diameter ≤ 10 microns

High

Ethyl acetate

Persistence: Water/Soil - LOW (Half-life = 14 days)

Persistence: Air- LOW (Half-life = 14.71 days)

Hydrocarbons, C9, aromatics - CAS: 64742-95-6

Biodegradability: Rapidly degradable

2-butoxyethanol

Persistence: Water/Soil - LOW (Half-life = 56 days)

Persistence: Air- LOW (Half-life = 1.37 days)

xylene - CAS: 1330-20-7

Biodegradability: Not persistent and biodegradable

12.3 Bioaccumulative potential

acetone; 2-propanone; propanone - CAS: 67-64-1

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 3

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.24

n-Butyl acetate

LOW (BCF = 14)

Titanium dioxide; [powder containing $\geq 1\%$ of particles with an aerodynamic diameter ≤ 10 microns

LOW (BCF = 10)

Ethyl acetate

HIGH (BCF = 3300)

2-butoxyethanol

LOW (BCF = 2.51)

xylene - CAS: 1330-20-7

Bioaccumulation: Not bioaccumulative

12.4 Mobility in soil

n-Butyl acetate

LOW (KOC = 20.86)

Titanium dioxide; [powder containing $\geq 1\%$ of particles with an aerodynamic diameter ≤ 10 microns

LOW (KOC = 23.74)

Ethyl acetate

LOW (KOC = 6.131)

2-butoxyethanol

HIGH (KOC = 1)

Xylene - CAS: 1330-20-7

Mobility in soil: Mobile

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

12.6 Endocrine disrupting properties

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No data available

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12.7 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. Waste transportation may be subject to ADR restrictions. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

Additional disposal information:

CER CODE = 160504

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR-UN number: 1950

IATA-Un number: 1950

IMDG-Un number: 1950

14.2 UN proper shipping name

ADR-Shipping Name: Aerosol

IATA-Technical name: Aerosol

IMDG-Technical name: Aerosol

14.3 Transport hazard class(es)



ADR-Class: 2 5F

ADR-Label: 2

ADR - Hazard identification number: -

IATA-Class: 2.1

IATA-Label: 2.1

IMDG-Class: 2

14.4 Packing group

ADR-Packing Group: -

IATA-Packing group: -

IMDG-Packing group: -

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

IATA-Passenger Aircraft: ---

IATA-Cargo Aircraft: 203

IMDG-Technical name: Aerosol

IMDG-Page: F-D, S-U

14.7 Maritime transport in bulk according to IMO instruments

N.A.



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SECTION 15: REGULATORY INFORMATION

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso Category - Directive 2012/18/EC:

P3a

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions relating to the substances contained:

Restriction 75

Where applicable, refer to the following regulations:

Ministerial Circulars 46 and 61 (Aromatic amines)

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Volatile Organic Compounds - VOC = 615 g / l

Volatile Organic Compounds - VOC = 74%

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions and significant disappearances and thefts must be reported to the national contact point qualified.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture

SECTION 16: OTHER INFORMATION

Full text of H codes mentioned in sections 2 - 3

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects
- EUH066 Repeated exposure may cause skin dryness or cracking

LEGEND:



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- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

Classification and procedure used to derive it according to regulation (EC) 1272/2008 [CLP] in relation to mixture:

Aerosols 1, H222, H229 - Based on experimental evidence
Eye Irrit. 2, H319 - Calculation method

GENERAL BIBLIOGRAPHY

Regulation (EU) 1907/2006 of the European Parliament (REACH)
Regulation (EU) 1272/2008 of the European Parliament (CLP)
Regulation (EU) 2020/878 (Annex II REACH Regulation)
Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
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Regulation (EU) 2019/521 (XII Atp. CLP)
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Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
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Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
Regulation (EU) 2020/878 of the European Parliament

The Merck Index. - 10th Edition
Handling Chemical Safety
INRS - Fiche Toxicologique (toxicological sheet)
Patty - Industrial Hygiene and Toxicology
N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the



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current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

Changes compared to the previous version:

01/02/03/04/05/06/07/08/09/10/11/12/13/14/15/16

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