

**Safety data sheet**  
 complying with Regulation 1907/2006/EC (REACH Regulation),  
 EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 11.04.2024

Version number 2 (replaces version 1)

Revision: 11.04.2024

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

**1.1 Product identifier**
**Trade name: Coltech Transelast Solvent**
**UFI: 6190-D0SP-F009-99K0**
**1.2 Relevant identified uses of the substance or mixture and uses advised against Professional use**  
**Application of the substance / the mixture: Solvent**
**1.3 Details of the supplier of the safety data sheet**
**Manufacturer/Supplier:**

COLTECH PC

Patriarchou Maximou E7 &amp; Myrsinis

Postal code: 145 62 Kifisia, Greece

Tel. +30 210-8017028

email: info@coltech.gr

**1.4 Emergency telephone number:**


European Emergency Tel.: 112

\* **SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**
**Classification according to Regulation EC No 1272/2008 CLP:**


GHS02 flame

Flam. Liq. 2      H225      Highly flammable liquid and vapour.



GHS08 health hazard

STOT RE 2      H373      May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1      H304      May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2      H315      Causes skin irritation.

Eye Irrit. 2      H319      Causes serious eye irritation.

STOT SE 3      H335-H336      May cause respiratory irritation. May cause drowsiness or dizziness.

Aquatic Chronic 3      H412      Harmful to aquatic life with long lasting effects.

**2.2 Label elements**
**Labelling according to Regulation EC No 1272/2008 CLP:**

The product is classified and labelled according to the CLP regulation.

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**Hazard pictograms:**

GHS02 GHS07 GHS08

**Signal word:** Danger**Hazard-determining components of labelling:**

Reaction mass of ethylbenzene and m-xylene and p-xylene  
 butanone

**Hazard statements:**

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H304 May be fatal if swallowed and enters airways.  
 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.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 Wash thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards****Results of PBT and vPvB assessment**

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**PBT:** Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties**

CAS: 78-93-3 | butanone

List II

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture: consisting of the following components.

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**Ingredients according Regulation (EU) 2020/878:**

CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-XXXX	butanone ☠ Flam. Liq. 2, H225; ☠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 Substance with a Community workplace exposure limit. Substance identified as having endocrine disrupting properties (II).	≥45-<55%
EC number: 905-562-9 Reg.nr.: 01-2119488216-32-XXXX	Reaction mass of ethylbenzene and m-xylene and p-xylene ☠ Flam. Liq. 3, H226; ☠ STOT RE 2, H373; Asp. Tox. 1, H304; ☠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limit: STOT RE 2; H373: C ≥ 10 %	≥45-<55%

**SVHC**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No 1907/2006 (REACH), Article 59)

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.  
Seek immediate medical advice.

**After inhalation:**

Keep patient calm, remove to fresh air.  
In case of unconsciousness place patient stably in side position for transportation.  
Seek immediate medical advice.

**After skin contact:**

Remove contaminated clothing.  
Immediately wash with water and soap and rinse thoroughly.  
Seek immediate medical advice.

**After eye contact:**

Immediately rinse the eyes with plenty of water, alternately lifting the upper and lower eyelids.  
Check and remove contact lenses if any.  
Continue to rinse for at least 15 minutes.  
Seek medical attention if irritation occurs.  
Avoid strong water jet-risk of cornea damage, consult a doctor.

**After swallowing:**

Do not induce vomiting; call for medical help immediately.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.  
Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

Contact Poison Center or doctor. All treatments should be based on observed signs and symptoms of patient pain.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**In case of fire, Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>) may be formed.**5.3 Advice for firefighters****Protective equipment:**

During fire-fighting wear suitable respiratory device (SCBA) with a full face-piece operated in positive pressure mode.

Cool containers exposed to fire.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

Avoid inhalation of vapors.

Ensure adequate ventilation.

Avoid contact with the skin, eyes and clothing.

**6.1.1 For non-emergency personnel** Avoid contact with dripping or leaking material**6.1.2 For emergency responders**

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Avoid inhaling vapors.

Avoid contact with eyes, hands and clothing.

Do not eat, drink or smoke when using this product.

Wash contaminated clothes before reusing them.

Wash your hands before each break and after finishing work.

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**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in well-sealed containers and in well-ventilated areas. Keep it cool.**Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Provide ventilation for receptacles.

**Information about storage in one common storage facility:** Store away from oxidizing agents.**Further information about storage conditions:**

Keep container tightly sealed.

Protect from heat and direct sunlight.

**7.3 Specific end use(s)** No further relevant information available.\* **SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 78-93-3 butanone**

IOELV (EU)	Short-term value: 900 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm
WEL (Great Britain)	Short-term value: 899 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm Sk, BMGV

**DNELs**

(EC: 905-562-9) Reaction mass of ethylbenzene, m-xylene and p-xylene

Workers:

Long-term systemic effect, by inhalation: 221 mg/m<sup>3</sup>Long-term local effect, by inhalation: 221 mg/m<sup>3</sup>Short-term local effect, inhalation: 442 mg/m<sup>3</sup>

Long-term systemic effect, dermal: 212 mg/kg bw/d

Consumers:

Long-term systemic effect, inhalation: 65.3 mg/m<sup>3</sup>Short-term systemic effect, inhalation: 260 mg/m<sup>3</sup>Long-term local effect, inhalation: 65.3 mg/m<sup>3</sup>Short-term local effect, inhalation: 260 mg/m<sup>3</sup>

Long-term systemic effect, dermal: 125 mg/kg bw/d

Long-term systemic effect, oral: 12.5 mg/kg bw/d

(CAS: 78-93-3) Butanone

Workers:

Inhalation - Long-term exposure, systemic effects: 600 mg/m<sup>3</sup>Inhalation - Short-term exposure, systemic effects: 900 mg/m<sup>3</sup>

Dermal - Long-term exposure, systemic effects: 1161 mg/kg bw/d

Consumers:

Inhalation - Long-term exposure, systemic effects: 106 mg/m<sup>3</sup>Inhalation - Short-term exposure, systemic effects: 450 mg/m<sup>3</sup>

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Dermal - Long-term exposure, systemic effects: 412 mg/kg bw/d

Oral - Long-term exposure, systemic effects: 31 mg/kg bw/d

**PNECs**

(EC: 905-562-9) reaction mass of ethylbenzene and m-xylene and p-xylene

Fresh water: 0,044 mg/l

Marine water: 0,004 mg/l

Fresh water sediment: 2,52 mg/kg

Marine water sediment: 0,252 mg/kg

Soil: 0,852 mg/kg

STP - Waste water treatment plant: 1,6 mg/l

(CAS: 78-93-3) Butanone

Fresh water: 55,8 mg/l

Marine water: 55,8 mg/l

Sediment (fresh water): 284,74 mg/kg

Sediment (marine water): 284,7 mg/kg

STP: 709 mg/l

Secondary poisoning: 1000 mg/kg

Soil: 22,5 mg/kg

**8.2 Exposure controls****8.2.1. Appropriate engineering controls** Provide adequate ventilation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while using the product.

Do not breathe vapours or mists.

Wash contaminated clothes before reusing them.

**Respiratory protection:**

Respiratory protection required in insufficiently ventilated working areas.

An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter A2-P2 (EN529) is recommended.

**Hand protection**

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding &gt; 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**Polychloroprene - CR: thickness  $\geq 0.5$ mm, decomposition time  $\geq 480$ min.Nitrile rubber - NBR: thickness  $\geq 0,35$ mm, split time  $\geq 480$ min.Butyl rubber - IIR: thickness  $\geq 0,5$ mm, split time  $\geq 480$ min.Fluorinated rubber - FKM: thickness  $\geq 0,4$ mm, decomposition time  $\geq 480$ min.

Recommendation: carry out special treatment of soiled gloves.

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

≥480 minutes

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye/face protection**

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

**Body protection:**

Chemically resistant, protective work clothing (EN 14605) and boots.

**Environmental exposure controls**

Dispose of flushing liquids in accordance with local and national regulations.

\* **SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

<b>Physical state</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	79-80.5 °C (CAS: 78-93-3 butanone)
<b>Flammability</b>	Highly flammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	1.8 Vol % (CAS: 78-93-3 butanone)
<b>Upper:</b>	11.5 Vol % (CAS: 78-93-3 butanone)
<b>Flash point:</b>	-6 °C (CAS: 78-93-3 butanone)
<b>Auto-ignition temperature:</b>	Not specified
<b>Decomposition temperature:</b>	Not determined
<b>pH</b>	Not determined
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic:</b>	Not determined
<b>Solubility</b>	
<b>water:</b>	Not determined
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure at 20 °C:</b>	105 hPa (CAS: 78-93-3 butanone)
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.85 g/cm <sup>3</sup>

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Relative density Not determined

Vapour density Not determined

**9.2 Other information****Appearance:****Form:** Liquid**Important information on protection of health and environment, and on safety.****Ignition temperature:**

Product is not selfigniting.

**Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**Change in condition**

Not applicable

**Fusion temperature / range:**

Not applicable

**Oxidising properties**

Not oxidising

**Evaporation rate**

Not determined

**Information with regard to physical hazard classes****Explosives** Void**Flammable gases** Void**Aerosols** Void**Oxidising gases** Void**Gases under pressure** Void**Flammable liquids** Highly flammable liquid and vapour.**Flammable solids** Void**Self-reactive substances and mixtures** Void**Pyrophoric liquids** Void**Pyrophoric solids** Void**Self-heating substances and mixtures** Void**Substances and mixtures, which emit flammable gases in contact with water** Void**Oxidising liquids** Void**Oxidising solids** Void**Organic peroxides** Void**Corrosive to metals** Void**Desensitised explosives** Void**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided** Stable at environment temperature.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** Avoid heat, sparkles, naked flame or other sources of ignition.**10.5 Incompatible materials** Oxidizing agents**10.6 Hazardous decomposition products**Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide (CO)

— EN —

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**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

**LD/LC50 values relevant for classification:****CAS: 78-93-3 butanone**

Oral	LD50	2.054 mg/kg (rat)
Dermal	LD50	> 10 ml/kg (rabbit)

**Reaction mass of ethylbenzene and m-xylene and p-xylene**

Oral	LD50	>3,523 mg/kg (rat)
Dermal	LD50	>12,126 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	>27 mg/l (rat)

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

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

**STOT-single exposure**

The product is classified as Specific Target Organ Toxicity after single exposure Category 3

May cause respiratory irritation. May cause drowsiness or dizziness.

**STOT-repeated exposure**

STOT Repeated Exposure Category 2

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

The product is classified Aspiration toxicity Category 1

May be fatal if swallowed and enters airways.

**11.2 Information on other hazards****Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

CAS: 78-93-3 butanone

List II

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****CAS: 78-93-3 butanone**

EC50 (72h)	1,220 mg/l (algae)
EC50 (48h)	308 mg/l (Daphnia magna)
LC50 (96h)	2.993 mg/l (freshwater fish)

**Reaction mass of ethylbenzene and m-xylene and p-xylene**

EC50 (72h)	4.6-4.9 mg/l (algae)
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EC50 (48h) 10.389 mg/l (Daphnia magna)

LC50 (96h) &gt;2.6 mg/l (fish)

**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment**

The product does not contain ingredients that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative at levels of 0.1% or higher according to REACH, Annex XIII.

**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

**12.7 Other adverse effects****Remark:** Harmful to fish**Additional ecological information:****General notes:**

The product contains materials that are harmful to the environment.

Harmful to aquatic organisms

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

**European waste catalogue**

HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP6	Acute Toxicity
HP14	Ecotoxic

**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.

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**SECTION 14: Transport information**

**14.1 UN number or ID number**  
**ADR, IMDG, IATA**

UN1993

**14.2 UN proper shipping name**  
**ADR**

1993 FLAMMABLE LIQUID, N.O.S., special provision 640D

**IMDG, IATA**

FLAMMABLE LIQUID, N.O.S.

**14.3 Transport hazard class(es)****ADR, IMDG, IATA****Class**

3 Flammable liquids.

**Label**

3

**14.4 Packing group**  
**ADR, IMDG, IATA**

II

**14.5 Environmental hazards:**  
**Marine pollutant:**

No

**14.6 Special precautions for user**  
**Hazard identification number (Kemler code):**  
**EMS Number:**  
**Stowage Category**

Warning: Flammable liquids.

33

F-E,S-E

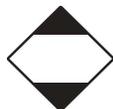
B

**14.7 Maritime transport in bulk according to IMO**  
**instruments**

Not applicable.

**Transport/Additional information:****ADR****Limited quantities (LQ)**

1L



Limited Quantity Marking.

**Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

2

**Transport category**

D/E

**Tunnel restriction code****Remarks:**

No goods of grade 3 according to 2.2.3.1.5 ADR and 2.3.2.5 IMDG

ADR: Containers &gt;450 l = UN 1866 - 3(F1) - RESIN SOLUTION, flammable

IMDG: Containers &gt; 450 l = UN 1866 - 3 (F1) - RESIN SOLUTION, flammable

Outside ADR/IMDG = UN 1866 - 3 (F1) - RESIN

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SOLUTION, flammable	
<b>IMDG</b> <b>Limited quantities (LQ)</b>  Limited Quantity Marking.	1L
<b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml No goods of grade 3 according to 2.2.3.1.5 ADR and 2.3.2.5 IMDG ADR: Containers >450 l = UN 1866 - 3(F1) - RESIN SOLUTION, flammable IMDG: Containers > 450 l = UN 1866 - 3 (F1) - RESIN SOLUTION, flammable Outside ADR/IMDG = UN 1866 - 3 (F1) - RESIN SOLUTION, flammable
<b>Remarks:</b>	
<b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. 3, II

\*

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** The substance is not included in Annex I.**Seveso category P5c FLAMMABLE LIQUIDS****Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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— EN —

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

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Version number 2 (replaces version 1)

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**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

CAS: 78-93-3 butanone

3

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

CAS: 78-93-3 butanone

3

National regulations: None

**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

- H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 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.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H412 Harmful to aquatic life with long lasting effects.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

**Training hints**

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

**Classification according to Regulation (EC) No 1272/2008**

Flammable liquids	Bridging principles
Skin corrosion/irritation Serious eye damage/irritation Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Aspiration hazard	Expert judgement

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EN

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**Version number of previous version: 1****Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**\* Data compared to the previous version altered.**