

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

Printing date 27.09.2021

Version number 3 (replaces version 2)

Revision: 27.09.2021

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: NITRO THINNER KL528****UFI: E410-U07J-W003-E9AU****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture: Solvent**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Kalogeropoulos Chemicals S.A.

D. Gounari 35, 185 31

Pireaus, Greece

Tel: +30 2104124518

Fax: +30 2104101607

e-mail: info@kalochem.gr

website: www.kalochem.gr

1.4 Emergency telephone number: Τηλ. Κέντρου Δηλητηριάσεων 2107793777

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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. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Repr. 2 H361d Suspected of damaging the unborn child.

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 H336 May cause drowsiness or dizziness.

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:**

toluene
 n-butyl acetate
 butan-1-ol
 methyl ethyl ketone

Hazard statements:

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H361d Suspected of damaging the unborn child.
 H336 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.

Precautionary statements

P102 Keep out of reach of children.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing mist/vapours/spray.
 P264 Wash hands 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.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients**3.2 Mixtures****Description:** Mixture: consisting of the following components.**Ingredients according Regulation (EU) 2020/878:**

| | | |
|--|---|----------|
| CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 Reg.nr.: 01-2119471310-51-XXXX | toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336 | ≥80-<90% |
| CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2129485493-XXXX | n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066 | ≥10-<20% |
| CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484609-23-XXXX | butan-1-ol Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336 | ≥1-<3% |
| CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-XXXX | methyl ethyl ketone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 | ≥1-<3% |

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

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

Seek immediate medical advice.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

Wash contaminated clothing before use.

After eye contact:

Rinse opened eye for at least 15 minutes under running water.

Remove contact lenses and continue rinsing for several minutes

If symptoms persist, consult a doctor.

Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.

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Do not induce vomiting; call for medical help immediately.

Seek immediate medical advice.

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

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:**

Self contained breathing apparatus and full protective clothing must be worn in case of 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.

Mouth respiratory protective device.

Avoid inhalation of vapors.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

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).

Do not flush with water or aqueous cleansing agents

Use non-sparking tools.

Send for recovery or disposal in suitable receptacles.

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**

Handle with care. Avoid jolting, friction and impact.

Avoid inhaling vapors.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation

Do not eat, drink or smoke during the usage of the product.

Wash 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.

Flammable gas-air mixtures may form in empty receptacles.

7.2 Conditions for safe storage, including any incompatibilities**Storage:** Keep containers tightly closed in a dry, cool, well-ventilated area.**Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Prevent any seepage into the ground.

Provide ventilation for receptacles.

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

Protect from heat and direct sunlight.

Store locked up

Keep away from children

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: 108-88-3 toluene**

| | |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 384 mg/m ³ , 100 ppm |
| | Long-term value: 191 mg/m ³ , 50 ppm |
| IOELV (EU) | Sk |

| | |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 384 mg/m ³ , 100 ppm |
| | Long-term value: 192 mg/m ³ , 50 ppm |
| IOELV (EU) | Skin |

CAS: 123-86-4 n-butyl acetate

| | |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 966 mg/m ³ , 200 ppm |
| | Long-term value: 724 mg/m ³ , 150 ppm |
| IOELV (EU) | Short-term value: 723 mg/m ³ , 150 ppm |
| | Long-term value: 241 mg/m ³ , 50 ppm |

CAS: 71-36-3 butan-1-ol

| | |
|---------------------|--|
| WEL (Great Britain) | Short-term value: 154 mg/m ³ , 50 ppm |
| | Sk |

CAS: 78-93-3 methyl ethyl ketone

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

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DNELs

(CAS: 108-88-3) Toluene

Workers:

DNEL Short-Term Inhalation: 384 mg/ml - Systemic

DNEL Short-Term Inhalation: 384 mg/ml - Local

DNEL Long Term Dermal: 384 mg/m³ - Systematic

DNEL Long-Term Inhalation: 192 mg/ml - Local

DNEL Long-Term Inhalation: 192 mg/ml - Systemic

Consumers:

DNEL Short-Term Inhalation: 226 mg/ml - Systemic

DNEL Short-Term Inhalation: 226 mg/ml - Local

DNEL Long Term Dermal: 226 mg/m³ - Systematic

DNEL Long-Term Inhalation: 56.5 mg/ml - Systemic

DNEL Long-Term Inhalation: 56.5 mg/ml - Local

DNEL Long-Term Oral: 8.13 mg/kg bw/d - Systemic

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

Workers

Long-term, systemic effects, inhalation: 480 mg/m³Short-term, systemic effects, inhalation: 960 mg/m³Long-term, local effects, inhalation: 300 mg/m³Short-term, local effects, inhalation: 600 mg/m³

Long-term, systemic effects, dermal: 11 mg/kg

Short-term, systemic effects, dermal: 11 mg/kg

Consumers

Long-term, systemic effects, inhalation: 102,34 mg/m³Short-term, systemic effects, inhalation: 859,7 mg/m³Long-term, local effects, inhalation: 35,7 mg/m³Short-term, local effects, inhalation: 300 mg/m³

Long-term, systemic effects, dermal: 6 mg/kg

Short-term, systemic effects, dermal: 6 mg/kg

Long-term, systemic effects, oral: 2 mg/kg

Short-term, systemic effects, oral: 2 mg/kg

(CAS: 71-36-3) butan-1-ol

Workers

Long-term, local effects, inhalation: 310 mg/m³

General population

Long-term, systemic effects, dermal: 3.125 mg/kg bw/day

Long-term, systemic effects, inhalation: 55.357 mg/m³

Long-term, systemic effects, oral: 1.562 mg/kg bw/day

Long-term, local effects, inhalation: 155 mg/m³

(CAS: 78-93-3) butanone

workers

Chronic, systemic, Skin : 1161 mg/kg

Chronic, systemic, inhalation : 600 mg/m³

Consumers

Chronic, systemic, oral: 31 mg/kg

Chronic, systemic, Skin: 412 mg/kg

Chronic, systemic, Inhalation dialogue: 106 mg/m³

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PNECs

(CAS: 108-88-3) Toluene

PNEC fresh water: 0.68 mg/l

PNEC marine water: 0.68 mg/l

PNEC Intermittent releases (water): 0.68 mg/l

PNEC fresh water precipitate: 16.39 mg/kg

PNEC marine water sediment: 16.39 mg/kg

PNEC Soil: 2.89 mg/kg

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

Freshwater: 0,18 mg/l

Freshwater sediment: 0,981 mg/kg

Marine water: 0,018 mg/l

Marine water sediment: 0,0981 mg/kg

Sewage treatment plant: 35,6 mg/l

Soil: 0,0903 mg/kg

Intermittent releases: 0,36 mg/l

(CAS: 71-36-3) butan-1-ol

Fresh water: 0.082 mg/L

Marine water: 0.008 mg/L

Intermittent releases, freshwater: 2.25 mg/L

Freshwater sediment: 0.324 mg/kg sediment dw

Marine water sediment: 0.,032 mg/kg sediment dw

Soil: 0.017 mg/kg soil dw

Sewage treatment plant: 2476 mg/L

(CAS: 78-93-3) butanone

Normal value in fresh water 55,8 mg/l

Normal value for fresh water sediment 284,74 mg/kg

Normal value for marine water sediment 284,7 mg/kg

Normal value for water, intermittent release 55,8 mg/l

Normal value of STP microorganisms 709 mg/l

Normal value for the terrestrial compartment 22,5 mg/kg

Ingredients with biological limit values:**CAS: 78-93-3 methyl ethyl ketone**

| | |
|----------------------|---|
| BMGV (Great Britain) | 70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one |
|----------------------|---|

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****8.2.1. Appropriate engineering controls**

Provide adequate ventilation.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower

Appropriate engineering controls No further data; see item 7.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

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Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Do not breathe vapours or mists.

Avoid contact with skin and eyes.

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

Take off contaminated clothing and wash before reuse.

Take appropriate protective measures with regard to the handling of chemicals and mixtures.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection

Protective gloves resistant to chemicals (standard EN 374-1)

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Material of gloves

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

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Physical state**

Liquid

Colour:

Colourless

Odour:

Characteristic

Melting point/freezing point:

Not determined

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| | |
|---|------------------------------|
| Boiling point or initial boiling point and boiling range | Not determined |
| Flammability | Not applicable |
| Lower and upper explosion limit | |
| Lower: | 1.2 Vol % |
| Upper: | 7.0 Vol % |
| Flash point: | 32 °C |
| Auto-ignition temperature: | Product is not selfigniting. |
| Decomposition temperature: | Not determined |
| pH | Not determined |
| Viscosity: | |
| Kinematic viscosity | Not determined |
| Kinematic viscosity | |
| Dynamic: | Not determined |
| Solubility | |
| water: | Not determined |
| Partition coefficient n-octanol/water (log value) | Not determined |
| Vapour pressure: | Not determined |
| Density and/or relative density | |
| Density at 20 °C: | 0.86-0.88 g/cm ³ |
| 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. | |
| Auto-ignition temperature: | Not determined |
| Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| Solvent content: | |
| VOC (EC) | 95.30 % |
| Cloud point / clarification point: | |
| 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 | 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 |

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| | |
|--|------|
| 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**

To avoid thermal decomposition do not overheat.

Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid** Avoid heat, flames, sparks, other sources of ignition.**10.5 Incompatible materials** Oxidizing agents**10.6 Hazardous decomposition products** No dangerous decomposition products known.**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:****ATE (Acute Toxicity Estimates)**

| | | |
|------|------|--------------------|
| Oral | LD50 | 46,471 mg/kg (rat) |
|------|------|--------------------|

CAS: 108-88-3 toluene

| | | |
|------------|-------------------|-----------------------|
| Oral | LD50 | 5,000 mg/kg (rat) |
| Dermal | LD50 | 12,124 mg/kg (rabbit) |
| Inhalative | LC50/4 h (vapour) | 5,320 mg/l (mouse) |

CAS: 123-86-4 n-butyl acetate

| | | |
|------------|-----------|-----------------------|
| Oral | LD50 | 10,768 mg/kg (rat) |
| Dermal | LD50 | 17,600 mg/kg (rabbit) |
| Inhalative | LC50 (4h) | 390 ppm (rat) |

CAS: 71-36-3 butan-1-ol

| | | |
|------------|-------------------|----------------------|
| Oral | LD50 | 790 mg/kg (rat) |
| Dermal | LD50 | 3,400 mg/kg (rabbit) |
| Inhalative | LC50/4 h (vapour) | 24,000 mg/l (rat) |

CAS: 78-93-3 methyl ethyl ketone

| | | |
|--------|------|----------------------|
| Oral | LD50 | 3,300 mg/kg (rat) |
| Dermal | LD50 | 5,000 mg/kg (rabbit) |

Skin corrosion/irritation Causes skin irritation.**Serious eye damage/irritation** Causes serious eye irritation.

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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**

The product is classified as Reproductive toxicity Category 2

Suspected of damaging the unborn child.

STOT-single exposure

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

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.

Additional toxicological information:**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Repr. 2

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

None of the ingredients is listed.

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SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****CAS: 108-88-3 toluene**

| | |
|------------|---|
| EC50 (72h) | 12,500 mg/l (Pseudokirchneriella subcapitata) |
| EC50 (48h) | 11,600 mg/l (crustacean) |
| LC50 (96h) | >443 mg/l (Skeletonema costatum) |
| NOEC (21d) | 1,000 mg/l (Daphnia magna) |

CAS: 123-86-4 n-butyl acetate

| | |
|--------------|----------------------|
| EC50 (72h) | 246 mg/l (algae) |
| EC50 (48h) | 32 mg/l (crustacean) |
| LC50 (96h) | 18 mg/l (fis) |
| NOEC r (72h) | 105 mg/l (algae) |

CAS: 71-36-3 butan-1-ol

| | |
|------------|------------------|
| LC50 (96h) | 1,376 mg/l (fis) |
| NOEC (21d) | 519 mg/l (fis) |

12.2 Persistence and degradability

Toluene cas number : 108-88-3

Biodegradable

BOD: 2.15 g O₂ /gCOD: 2.52 g O₂ /gThOD: 3.13 g O₂ /g

BOD (% of ThOD): 0.69

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12.3 Bioaccumulative potential

Toluene cas number 108-88-3

Low bioaccumulative potential

BCF: 90 (72 h; Leuciscus idus; Static system; Fresh water)

Log Pow : 2.73 (Experimental value; Other; 20 °C)

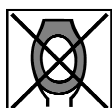
12.4 Mobility in soil

Toluene cas number 108-88-3

Surface tension 0.03 N/m (20 °C)

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects****Additional ecological information:****General notes:** Toxic for 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.

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN number or ID number**

ADR, IMDG, IATA

UN1993

14.2 UN proper shipping name

ADR

IMDG, IATA

1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE)

FLAMMABLE LIQUID, N.O.S. (TOLUENE)

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14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class 3 Flammable liquids.
Label 3

14.4 Packing group

ADR, IMDG, IATA III

14.5 Environmental hazards: Not applicable.**14.6 Special precautions for user** Warning: Flammable liquids.**Hazard identification number (Kemler code):** 30**EMS Number:** F-E,S-E**Stowage Category** B**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

Transport/Additional information:**ADR****Excepted quantities (EQ):** E2**Limited quantities (LQ)** 5L**Excepted quantities (EQ)** Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category 3**Tunnel restriction code** D/E**IMDG****Limited quantities (LQ)** 5L**Excepted quantities (EQ)** Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S.
 (TOLUENE), 3, III

* **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.

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

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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 Substance is not listed.

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, 48

National regulations:**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:

Not applicable

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.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- EUH066 Repeated exposure may cause skin dryness or cracking.

Department issuing SDS:

SUST  SUSTCHEM S.A.
CHEM REACH & Chemical Services Department
CONSULTING
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 T: +30 210 8252510 | F: +30 210 8252575
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Version number of previous version: 2

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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)
 VOC: Volatile Organic Compounds (USA, EU)
 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 Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Repr. 2: Reproductive toxicity – 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

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

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