

Scanningspray Vertriebs GmbH  
45657 Recklinghausen

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

**1.1 Product identifier**

**AESUB green**

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

**1.2.1 Relevant uses**

Surface coating

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet**

**Company**

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**Safety Data Sheet**

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**1.4 Emergency telephone number**

**Company**

+49 (0) 177 4818358 during business hours 7am – 5pm (Central European Time, CET)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Flam. Liq. 2: H225 Highly flammable liquid and vapour.  
Skin Irritation - Category 2: H315 Causes skin irritation.  
STOT SE 3: H336 May cause drowsiness or dizziness.  
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.  
Eye Irrit. 2: H319 Causes serious eye irritation.

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## 2.2 Label elements

The product is required to be labelled in accordance with the hazard criterias of the "Hazardous Product Regulation" - HPR [WHMIS 2015].

### Hazard pictograms



### Signal word

DANGER

### Contains:

Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

### Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

### Precautionary statements

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

## 2.3 Other hazards

### Environmental hazards

Does not contain any PBT or vPvB substances.

### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

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### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
25 - < 50	Ethanol CAS: 64-17-5
10 - < 25	Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane
10 - < 25	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0
10 - < 25	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
10 - < 25	Hydrocarbons, C6, isoalkanes, <5% n-hexane CAS: 64742-49-0
10 - < 25	Propan-2-ol CAS: 67-63-0
5 - < 10	Adamantane CAS: 281-23-2
1 - < 5	n-Hexane CAS: 110-54-3
< 1	Cyclohexane CAS: 110-82-7

#### Comment on component parts

One or several components are not named in register DSL/NDSL (Canada).  
For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Change soaked clothing.

#### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

#### Skin contact

When in contact with the skin, clean with soap and water.  
Consult a doctor if skin irritation persists.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### Ingestion

Rinse out mouth and give plenty of water to drink.  
Do not induce vomiting.  
Get medical advice.  
Beware of vomiting. Risk of aspiration.

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

Drowsiness  
Vertigo

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

Treat symptomatically.  
Forward this sheet to the doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

foam, dry powder, water spray jet, carbon dioxide

#### Extinguishing media that must not be used

Full water jet.

### 5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

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### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.  
Ensure adequate ventilation.  
Use personal protective equipment.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Keep away from all sources of ignition - Refrain from smoking.  
Ignitable mixtures can be formed in the empty container.  
Take precautionary measures against static discharges.  
Vapours can form an explosive mixture with air.  
Ground/bond container and receiving equipment.  
Do not eat, drink or smoke when using this product.  
Wash hands before breaks and after work.  
Take off contaminated clothing and wash before reuse.  
Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Provide solvent-resistant and impermeable floor.  
Do not store with oxidizing or self-igniting materials.  
Protect from heat/overheating.  
Keep container in a well-ventilated place.  
Keep container tightly closed.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

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**SECTION 8: Exposure controls / personal protection**

**8.1 Control parameters**

**Ingredients with occupational exposure limits to be monitored (CA)**

Substance
Propan-2-ol
CAS: 67-63-0
Long-term exposure: 400 ppm, 983 mg/m <sup>3</sup>
Short-term exposure (15-minute): 500 ppm, 1230 mg/m <sup>3</sup>
Ethanol
CAS: 64-17-5
Long-term exposure: 1000 ppm, 1880 mg/m <sup>3</sup>

**DNEL**

Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
Industrial, inhalative, Long-term - systemic effects, 2035 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 773 mg/kg bw/d
general population, inhalative, Long-term - systemic effects, 608 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 699 mg/kg bw/d
general population, oral, Long-term - systemic effects, 699 mg/kg bw/d
Hydrocarbons, C6, isoalkanes, <5% n-hexane
Industrial, dermal, Long-term - systemic effects, 13964 mg/kg bw/d
Industrial, inhalative, Long-term - systemic effects, 5306 mg/m <sup>3</sup>
general population, inhalative, Long-term - systemic effects, 1131 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 1377 mg/kg bw/d
general population, oral, Long-term - systemic effects, 1301 mg/kg bw/d
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Industrial, inhalative, Long-term - systemic effects, 2085 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 300 mg/kg bw/d
general population, dermal, Long-term - systemic effects, 149 mg/kg bw/d
general population, oral, Long-term - systemic effects, 149 mg/kg bw/d
general population, inhalative, Long-term - systemic effects, 477 mg/m <sup>3</sup>
Ethanol, CAS: 64-17-5
Industrial, dermal, Long-term - systemic effects, 343 mg/kg bw/d
Industrial, inhalative (vapor), Long-term - systemic effects, 950 mg/m <sup>3</sup>
Industrial, inhalative (vapor), Acute - local effects, 1900 mg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 87 mg/kg bw/d
general population, dermal, Long-term - systemic effects, 206 mg/kg bw/d
general population, inhalative (vapor), Long-term - systemic effects, 114 mg/m <sup>3</sup>
general population, inhalative (vapor), Acute - local effects, 950 mg/m <sup>3</sup>
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane
Industrial, inhalative, Long-term - systemic effects, 5306 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 13964 mg/kg bw/day
general population, oral, Long-term - systemic effects, 1301 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 1131 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 1377 mg/kg bw/day

**PNEC**

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Substance
Ethanol, CAS: 64-17-5
soil, 0,63 mg/kg
sediment (freshwater), 3,6 mg/kg
seawater, 0,79 mg/l
freshwater, 0,96 mg/l
oral (food), 0,38 g/kg
sediment (seaater), 2,9 mg/kg
sewage treatment plants (STP), 580 mg/l

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	> 0,4 mm; Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	Do not inhale vapours. Avoid contact with eyes and skin.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
<b>Thermal hazards</b>	No information available.
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	yellowish
Odor	characteristic
Odour threshold	not determined
pH-value	not determined
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	< 23 Analogous to product with a similar composition.
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm <sup>3</sup> ]	0,70 - 0,80
Relative density	not determined
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	completely miscible
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not determined
Kinematic viscosity	not determined
Relative vapour density	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Auto-ignition temperature	not determined
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

### 9.2 Other information

Refractive index: 1,382 - 1,392

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Evolution of highly flammable gases/vapours.

Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

### 10.4 Conditions to avoid

Strong heating.

### 10.5 Incompatible materials

Oxidizing agent

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#### **10.6 Hazardous decomposition products**

No hazardous decomposition products known.



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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute oral toxicity

Product
ATE-mix, oral, Based on the available information, the classification criteria are not fulfilled.
Substance
Cyclohexane, CAS: 110-82-7
LD50, oral, Rat, > 5000 mg/kg (IUCLID)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
LD50, oral, Rat, > 5800 mg/kg
n-Hexane, CAS: 110-54-3
LD50, oral, Rat, 25000 mg/kg bw (GESTIS)
Hydrocarbons, C6, isoalkanes, <5% n-hexane
LD50, oral, Rat, > 5000 mg/kg, OECD 401
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
LD50, oral, Rat, > 3000 mg/kg bw
Ethanol, CAS: 64-17-5
LD50, oral, Rat, 10470 mg/kg (OECD 401)
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane
LD50, oral, Rat, >5000 mg/kg bw
Propan-2-ol, CAS: 67-63-0
LD50, oral, Rat, 4570 mg/kg

#### Acute dermal toxicity

Product
ATE-mix, dermal, Based on the available information, the classification criteria are not fulfilled.
Substance
Cyclohexane, CAS: 110-82-7
LD50, dermal, Rabbit, > 2000 mg/kg (IUCLID)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
LD50, dermal, Rabbit, > 3920 mg/kg
n-Hexane, CAS: 110-54-3
LD50, dermal, Rabbit, 3000 mg/kg bw (IUCLID)
Hydrocarbons, C6, isoalkanes, <5% n-hexane
LD50, dermal, Rabbit, > 3350 mg/kg, OECD 402
Ethanol, CAS: 64-17-5
LD50, dermal, Rabbit, > 2000 mg/kg (OECD 402)
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane
LD50, dermal, Rabbit, >2000 mg/kg bw
Propan-2-ol, CAS: 67-63-0
LD50, dermal, Rabbit, 13400 mg/kg

#### Acute inhalational toxicity

Product
ATE-mix, inhalative, Based on the available information, the classification criteria are not fulfilled.

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Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
LC50, inhalative, Rat, > 25,2 mg/l 4h
n-Hexane, CAS: 110-54-3
LC50, inhalative, Rat, 169 mg/L (4h) (GESTIS)
Hydrocarbons, C6, isoalkanes, <5% n-hexane
LC50, inhalative, Rat, > 20 mg/l/4h, OECD 403
Ethanol, CAS: 64-17-5
LC50, inhalative, Rat, 117-125 mg/l/4h (OECD 403)
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane
LC50, inhalative, Rat, >12 ppm (4h)
Propan-2-ol, CAS: 67-63-0
LC50, inhalative, Rat, 30 mg/l 4h

**Serious eye damage/irritation**

Irritant

Based on the available information, the classification criteria are fulfilled.

Calculation method

Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
Eye, Rabbit, non-irritating
Hydrocarbons, C6, isoalkanes, <5% n-hexane
Eye, Rabbit, In vivo study, non-irritating
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
No information available., non-irritating
Ethanol, CAS: 64-17-5
Eye, Rabbit, OECD 405, irritant
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane
Eye, Rabbit, non-irritating

**Skin corrosion/irritation**

Irritant

Based on the available information, the classification criteria are fulfilled.

Calculation method

Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
dermal, Rabbit, OECD 404, irritant
Hydrocarbons, C6, isoalkanes, <5% n-hexane
dermal, Rabbit, In vivo study, irritant
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
dermal, Rabbit, OECD 404, irritant
Ethanol, CAS: 64-17-5
dermal, Rabbit, OECD 404, non-irritating
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane
dermal, Rabbit, non-irritating

**Respiratory or skin sensitisation**

Based on the available information, the classification criteria are not fulfilled.

Substance
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
No information available., negativ
Ethanol, CAS: 64-17-5

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dermal, Guinea pig, OECD 406, non-sensitizing

Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

No information available., negativ

**Specific target organ toxicity —  
single exposure**

Vapours may cause drowsiness and dizziness.  
Based on the available information, the classification criteria are fulfilled.  
Calculation method

Substance

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

No information available., positive

Ethanol, CAS: 64-17-5

inhalative, Rat (male), NOAL >20 mg/l, OECD 403

NOAEL, oral, Rat (female), 1730 mg/kg/d, OECD 408, 90d

Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

positive

**Specific target organ toxicity —  
repeated exposure**

Based on the available information, the classification criteria are not fulfilled.

Substance

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

NOAEC, inhalative, Rat, 8117 mg/m<sup>3</sup>, negativ

Hydrocarbons, C6, isoalkanes, <5% n-hexane

LOAEC, inhalative, Rat, 10 504 mg/m<sup>3</sup>, negativ

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

NOAEC, inhalative, Rat, 12470 mg/m<sup>3</sup>, negativ

Ethanol, CAS: 64-17-5

NOAEL, oral, Rat, 1730 mg/kg bw/day, negativ

Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

LOAEC, inhalative, Rat, 10 504 mg/m<sup>3</sup>, negativ

**Mutagenicity**

Based on the available information, the classification criteria are not fulfilled.  
Based on the available information, the classification criteria are not fulfilled.

Substance

Hydrocarbons, C6, isoalkanes, <5% n-hexane

in vitro, OECD 476, negativ

in vitro, OECD 473, negativ

in vitro, OECD 471, negativ

negativ

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

No information available., negativ

Ethanol, CAS: 64-17-5

mouse, OECD 476, negativ

OECD 471, negativ

Ames-test, negativ

Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

OECD 471, negativ

**Reproduction toxicity**

Based on the available information, the classification criteria are not fulfilled.

Substance

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Hydrocarbons, C6, isoalkanes, <5% n-hexane

NOAEC, inhalative, Rat, 31680 mg/m<sup>3</sup>, negativ, Effects on fertility (Hexane),

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

No information available., negativ

Ethanol, CAS: 64-17-5

NOAEL, oral, mouse, 13800 mg/kg bw/day, OECD 416, negativ

Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

NOAEC, inhalative, Rat, 31680 mg/m<sup>3</sup>, negativ

**Carcinogenicity**

Based on the available information, the classification criteria are not fulfilled.

Substance

Hydrocarbons, C6, isoalkanes, <5% n-hexane

NOAEC, inhalative, Rat, 31680 mg/m<sup>3</sup>, negativ

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

No information available., negativ

Ethanol, CAS: 64-17-5

NOAEL, oral, Rat, > 3000 mg/kg bw/day, negativ

Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane

NOAEC, inhalative, Rat, 31680 mg/m<sup>3</sup>, negativ

**Aspiration hazard**

May be fatal if swallowed and enters airways.

Based on the available information, the classification criteria are fulfilled.

Calculation method

**General remarks**

Toxicological data of complete product are not available.

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## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
Cyclohexane, CAS: 110-82-7
LC50, (96h), fish, 93,0 - 117 mg/l (IUCLID)
EC50, (48h), Daphnia magna, 3,78 mg/l (IUCLID)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
EL50, (72h), Pseudokirchneriella subcapitata, 30 - 100 mg/l
EL50, (48h), Daphnia magna, 3 mg/l
NOEC, (21d), Daphnia magna, 0,17 mg/l
LL50, (96h), Oncorhynchus mykiss, 11,4 mg/l
LOEC, (21d), Daphnia magna, 0,32 mg/l
n-Hexane, CAS: 110-54-3
LC50, (96h), Pimephales promelas, 2,5 mg/L (GESTIS)
Hydrocarbons, C6, isoalkanes, <5% n-hexane
LC50, (48h), Oryzias latipes, 1 mg/l
LC50, (48h), Daphnia magna, 3,87 mg/l
NOELR, (72h), Pseudokirchneriella subcapitata, 30 mg/l
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
EC50, (72h), Pseudokirchneriella subcapitata, 10 - 30 mg/l
EC50, (48h), Daphnia magna, 3 mg/l
NOEC, (21d), Daphnia magna, 0,17 mg/l
NOELR, (72h), Pseudokirchneriella subcapitata, 10 mg/l
LL50, (96h), Oncorhynchus mykiss, > 13,4 mg/l
Ethanol, CAS: 64-17-5
LC50, (96h), Oncorhynchus mykiss, 13000 mg/l (OECD 203)
LC50, (48h), Daphnia magna, 12340 mg/l
EC50, (48h), Selenastrum capricornutum, 12900 mg/l (OECD 201)
EC50, (72h), Algae, 275 mg/l (OECD 201)
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane
EL50, (48h), Daphnia magna, 17,06 mg/L
Propan-2-ol, CAS: 67-63-0
EC50, (48h), Daphnia magna, 13299 mg/l
EC50, (72h), Scenedesmus subspicatus, > 100 mg/l

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

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## 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

## 12.6 Endocrine disrupting properties

No information available.

## 12.7 Other adverse effects

Do not discharge product unmonitored into the environment or into the drainage.  
Ecological data of complete product are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with national and local regulations.

#### Product

Dispose of as hazardous waste.

#### Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.  
Uncontaminated packaging may be taken for recycling.

## SECTION 14: Transport information

### 14.1 UN number

Transport by land according to ADR/RID 1993

Inland navigation (ADN) 1993

Marine transport in accordance with IMDG 1993

Air transport in accordance with IATA 1993

Canadian Code for the Transportation of Dangerous Goods (TDG) 1993

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#### 14.2 UN proper shipping name

Transport by land according to  
ADR/RID

Flammable liquid, n.o.s. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)

- Classification Code

F1

- Label



- ADR LQ

1 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 2 (D/E)

Inland navigation (ADN)

Flammable liquid, n.o.s. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)

- Classification Code

F1

- Label



Marine transport in accordance with  
IMDG

FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)

- EMS

F-E, S-E

- Label



- IMDG LQ

1 I

Air transport in accordance with IATA

Flammable liquid, n.o.s. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)

- Label



Canadian Code for the  
Transportation of Dangerous Goods  
(TDG)

UN 1993 Flammable liquid, n.o.s. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane) 3 II

- Label



#### 14.3 Transport hazard class(es)

Transport by land according to  
ADR/RID

3 (N)

Inland navigation (ADN)

3 (N)

Marine transport in accordance with  
IMDG

3

Air transport in accordance with IATA

3

Canadian Code for the  
Transportation of Dangerous Goods  
(TDG)

3

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#### 14.4 Packing group

Transport by land according to ADR/RID II

Inland navigation (ADN) II

Marine transport in accordance with IMDG II

Air transport in accordance with IATA II

Canadian Code for the Transportation of Dangerous Goods (TDG) II

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

Canadian Code for the Transportation of Dangerous Goods (TDG) no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

**TRANSPORT-REGULATIONS** TDG-Regulations; ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2021)

**NATIONAL REGULATIONS (CA):** HPR-Hazardous Products Regulations (SOR/2015-17); WHMIS 2015;

- Observe employment restrictions for people Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- VOC - Volatile Organic Compounds 100 %

#### 15.2 Chemical safety assessment

not applicable



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## SECTION 16: Other information

### 16.1 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@/TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

### 16.2 Other information

#### Classification procedure

Flam. Liq. 2: H225 Highly flammable liquid and vapour. (Bridging principle "Substantially similar mixtures")  
Skin Irritation - Category 2: H315 Causes skin irritation. (Calculation method)  
STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)  
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (Calculation method)  
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

#### Modified position

none

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