

# SAFETY DATA SHEET

Prepared in accordance with the provisions of KKDIK Annex-2 Regulation, 23.06.2017, No: 30105

## ShellSol A100 Low Cumene

Initial release date: 2015/05/29

Revision Date: 14.11.2024

Version 2.0

SDS Number: 800010059269

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

#### 1.1 Product identifier

Trade name : ShellSol A100 Low Cumene

Product code : Q7591

Registration number EU : 01-2119455851-35-0000

Synonyms : Hydrocarbons, C9, aromatics

CAS-No. : 64742-95-6

Index-No. : 649-356-00-4

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

Use of the Substance/Mixture : Industrial Solvent.

Recommended restrictions on use : This product must not be used in applications other than the above without first seeking the advice of the supplier.  
This product must not be used in applications other than those listed in Section 1 without first seeking the advice of the supplier.

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

Company : **Shell Chemicals Europe B.V.**  
PO Box 2334  
3000 CH Rotterdam  
Netherlands

Telephone : +31 (0)10 441 5137 / +31 (0)10 441 5191

Telefax : +31 (0)20 716 8316 / +31 (0)20 713 9230

E-mail address of person responsible for the SDS : sccmsds@shell.com

#### 1.4 Emergency telephone number

Emergency telephone number : +44 (0) 1235 239 670 (This telephone number is available 24 hours per day, 7 days per week)  
National Poison Counselling Centre (UZEM) – 114

Other information : SHELLSOL is a trademark owned by Shell Trademark Management B.V. and Shell Brands Inc. and used by affiliates of Shell plc.

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification T.R. SEA No 28848

Flammable liquids, Category 3

H226: Flammable liquid and vapour.

Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters airways.

Specific target organ toxicity - single exposure, Category 3, Respiratory Tract

H335: May cause respiratory irritation.

Specific target organ toxicity - single exposure, Category 3, Narcotic effects

H336: May cause drowsiness or dizziness.

Long-term (chronic) aquatic hazard, Category 2

H411: Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling T.R. SEA No 28848

Hazard pictograms :



Signal word : Danger

Hazard statements :

H226

PHYSICAL HAZARDS:  
Flammable liquid and vapour.

H304

HEALTH HAZARDS:  
May be fatal if swallowed and enters airways.

H335

May cause respiratory irritation.

H336

May cause drowsiness or dizziness.

H411

ENVIRONMENTAL HAZARDS:  
Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements :

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary statements :

**Prevention:**  
P210

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

P243

Take action to prevent static discharges.

P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

**Response:**

P301 + P310

IF SWALLOWED: Immediately call a

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P331

**Storage:**

POISON CENTER/ doctor.

Do NOT induce vomiting.

No precautionary phrases.

**Disposal:**

P501

Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Other hazards

May form flammable/explosive vapour-air mixture.

This material is a static accumulator.

Even with proper grounding and bonding, this material can still accumulate an electrostatic charge.

If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapour mixtures can occur.

Possibility of organ or organ system damage from prolonged exposure; see Section 11 for details.

Target organ(s):

Auditory system

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Substance name : ShellSol A100

Index-No. : 649-356-00-4

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	T.R. SEA No 28848	Concentration (% w/w)
Solvent naphtha (petroleum), light arom.	64742-95-6 265-199-0	Flam. Liq.3; H226 Asp. Tox.1; H304 STOT SE3; H335 STOT SE3; H336 Aquatic Chronic2; H411	<= 100

#### Further information

Contains:

Chemical name	Identification number	Concentration (% w/w)
Cumene	98-82-8	>= 0 - <= 0,099
Benzene	71-43-2	>= 0 - < 0,1

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- |                            |  |
|----------------------------|--|
| General advice             | : Not expected to be a health hazard when used under normal conditions.  |
| Protection of first-aiders | : When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.  |
| If inhaled                 | : Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.   |
| In case of skin contact    | : Remove contaminated clothing. Immediately flush skin with large amounts of water for at least 15 minutes, and follow by washing with soap and water if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.  |
| In case of eye contact     | : Flush eye with copious quantities of water.<br>Remove contact lenses, if present and easy to do. Continue rinsing.<br>If persistent irritation occurs, obtain medical attention.   |
| If swallowed               | : Call emergency number for your location / facility.<br>If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.<br>If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (38.3°C), shortness of breath, chest congestion or continued coughing or wheezing. |

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

- |          |  |
|----------|--|
| Symptoms | : Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing.<br>Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination.<br>Continued inhalation may result in unconsciousness and death.<br><br>Skin irritation signs and symptoms may include a burning sensation, redness, or swelling.<br><br>No specific hazards under normal use conditions.<br>Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. |
|----------|--|

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If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever.  
If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (38.3°C), shortness of breath, chest congestion or continued coughing or wheezing.

Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance.

Auditory system effects may include temporary hearing loss and/or ringing in the ears.

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

Treatment : Call a doctor or poison control center for guidance.  
Potential for chemical pneumonitis.  
Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media : Do not use water in a jet.

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

Specific hazards during fire-fighting : Clear fire area of all non-emergency personnel.  
Hazardous combustion products may include:  
A complex mixture of airborne solid and liquid particulates and gases (smoke).  
Carbon monoxide.  
Unidentified organic and inorganic compounds.  
Flammable vapours may be present even at temperatures below the flash point.  
The vapour is heavier than air, spreads along the ground and distant ignition is possible.  
Will float and can be reignited on surface water.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to

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relevant Standards (e.g. Europe: EN469).

Specific extinguishing methods : Standard procedure for chemical fires.

Further information : Keep adjacent containers cool by spraying with water.

### SECTION 6: Accidental release measures

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

Personal precautions :

- Observe all relevant local and international regulations.
- Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.
- Local authorities should be advised if significant spillages cannot be contained.
- Avoid contact with skin, eyes and clothing.
- Isolate hazard area and deny entry to unnecessary or unprotected personnel.
- Do not breathe fumes, vapour.
- Do not operate electrical equipment.

#### 6.2 Environmental precautions

Environmental precautions :

- Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment.
- Monitor area with combustible gas indicator.

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

Methods for cleaning up :

- For small liquid spills (< 1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.
- For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

Ventilate contaminated area thoroughly.  
If contamination of site occurs remediation may require spe-

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cialist advice.

### 6.4 Reference to other sections

For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet., For guidance on disposal of spilled material see Section 13 of this Safety Data Sheet.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- |                         |   |
|-------------------------|---|
| Technical measures      | : Avoid breathing of or direct contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet.<br>Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.<br>Ensure that all local regulations regarding handling and storage facilities are followed. |
| Advice on safe handling | : Avoid inhaling vapour and/or mists.<br>Avoid contact with skin, eyes and clothing.<br>Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks.<br>Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols.<br>Bulk storage tanks should be diked (bunded).<br>When using do not eat or drink.<br><br>The vapour is heavier than air, spreads along the ground and distant ignition is possible.   |
| Hygiene measures        | : Wash hands before eating, drinking, smoking and using the toilet. Launder contaminated clothing before re-use. Do not ingest. If swallowed, then seek immediate medical assistance.   |

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

- |   |   |
|---|---|
| Requirements for storage areas and containers | : Refer to section 15 for any additional specific legislation covering the packaging and storage of this product. |
|---|---|

- |            |                                 |
|------------|---------------------------------|
| Other data | : Storage Temperature: Ambient. |
|------------|---------------------------------|

Bulk storage tanks should be diked (bunded). Locate tanks away from heat and other sources of ignition. Cleaning, inspection and maintenance of storage tanks is a specialist operation, which requires the implementation of strict procedures and precautions. Must be stored in a diked (bunded) well- ventilated area, away from sunlight, ignition sources and other sources of heat. Keep away from aerosols, flammables, oxidizing agents, corrosives and from other flammable prod-

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ucts which are not harmful or toxic to man or to the environment. Electrostatic charges will be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment to reduce the risk. The vapours in the head space of the storage vessel may lie in the flammable/explosive range and hence may be flammable.

Packaging material : Suitable material: For containers, or container linings use mild steel, stainless steel., For container paints, use epoxy paint, zinc silicate paint.  
Unsuitable material: Avoid prolonged contact with natural, butyl or nitrile rubbers.

### 7.3 Specific end use(s)

Specific use(s) : Please refer to section 16 and/or the annexes for the registered uses under REACH.

See additional references that provide safe handling practices for liquids that are determined to be static accumulators: American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practices on Static Electricity).  
IEC/TS 60079-32-1: Electrostatic hazards, guidance

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Cumene	98-82-8	STEL 15 min	50 ppm 250 mg/m3	TR OEL
Further information	A skin notation assigned to the OEL identifies the possibility of significant uptake through the skin.			
		TWA (8 Hour)	10 ppm 50 mg/m3	TR OEL
Further information	A skin notation assigned to the OEL identifies the possibility of significant uptake through the skin.			
		TWA	10 ppm 50 mg/m3	2019/1831/EU
Further information	A skin notation assigned to the occupational exposure limit value indicates the possibility of significant uptake through the skin., Indicative			
		STEL	50 ppm 250 mg/m3	2019/1831/EU
Further information	A skin notation assigned to the occupational exposure limit value indicates the possibility of significant uptake through the skin., Indicative			



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Benzene	71-43-2	TWA	1 ppm 3,25 mg/m3	TR OEL CM
Further information	Skin			
		TWA	0,25 ppm 0,8 mg/m3	Shell Internal Standard (SIS) for 8-12 hour TWA.
		STEL	2,5 ppm 8 mg/m3	Shell Internal Standard (SIS) for 15 min (STEL)

### Biological occupational exposure limits

No biological limit allocated.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

End Use: Workers

Exposure routes: Dermal

Potential health effects: Long-term systemic effects

Value: 25 mg/kg bw/day

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 150 mg/m3

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 32 mg/m3

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

End Use: Consumers

Exposure routes: Dermal

Potential health effects: Long-term systemic effects

Value: 11 mg/kg

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

End Use: Consumers

Exposure routes: Oral

Potential health effects: Long-term systemic effects

Value: 11 mg/kg

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance is a hydrocarbon with a complex, unknown or variable composition. Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.

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### 8.2 Exposure controls

#### Engineering measures

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include:

Use sealed systems as far as possible.

Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines/limits.

Local exhaust ventilation is recommended.

Firewater monitors and deluge systems are recommended.

Eye washes and showers for emergency use.

Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

#### General Information:

Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

Define procedures for safe handling and maintenance of controls.

Educate and train workers in the hazards and control measures relevant to normal activities associated with this product.

Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective equipment, local exhaust ventilation.

Drain down system prior to equipment break-in or maintenance.

Retain drain downs in sealed storage pending disposal or subsequent recycle.

#### Personal protective equipment

Eye protection : If material is handled such that it could be splashed into eyes, protective eyewear is recommended.

Hand protection

Remarks : Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection. Longer term protection: butyl-rubber Nitrile rubber gloves.

Incidental contact/Splash protection: Nitrile rubber gloves. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same but recognize that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time may be acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model. Suitability and durability of a glove

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is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

**Skin and body protection** : Skin protection is not required under normal conditions of use. For prolonged or repeated exposures use impervious clothing over parts of the body subject to exposure. If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to relevant Standard, and provide employee skin care programmes.

Wear antistatic and flame-retardant clothing, if a local risk assessment deems it so.

**Respiratory protection** : If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. If air-filtering respirators are suitable for conditions of use: Select a filter suitable for organic gases and vapours [Type A boiling point >65°C (149°F)].

**Protective measures** : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

### Environmental exposure controls

**General advice** : Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour. Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation. Information on accidental release measures are to be found in section 6.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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Appearance	: Liquid.
Colour	: colourless
Odour	: aromatic
Odour Threshold	: Data not available
pH	: Data not available
Melting point/freezing point	: Data not available
Boiling point/boiling range	: 150 - 185 °C
Flash point	: 38 - 50 °C Method: IP 170 Other information: Flammable liquid and vapour.
Evaporation rate	: < 1 Method: ASTM D 3539, nBuAc=1
Flammability	
Flammability (solid, gas)	: Not applicable
Flammability (liquids)	: Flammable liquid and vapour.
Lower explosion limit and upper explosion limit / flammability limit	
Upper explosion limit	: 7 %(V)
Lower explosion limit	: 0,6 %(V)
Vapour pressure	: 210 - 1.300 Pa (20 °C)
Relative vapour density	: 4,3
Relative density	: 0,87 - 0,88 (20 °C) Method: ASTM D4052
Density	: Typical 876 kg/m <sup>3</sup> (15 °C) Method: ASTM D4052
Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: log Pow: 3,7 - 4,5
Auto-ignition temperature	: 507 °C

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Decomposition temperature : Data not available

### Viscosity

Viscosity, dynamic : Data not available

Viscosity, kinematic : Typical 0,9 mm<sup>2</sup>/s (25 °C)  
Method: ASTM D445

Explosive properties : Not applicable

Oxidizing properties : Data not available

## 9.2 Other information

Surface tension : Data not available

Conductivity : Low conductivity: < 100 pS/m

The conductivity of this material makes it a static accumulator., A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m., Whether a liquid is nonconductive or semi-conductive, the precautions are the same., A number of factors, for example liquid temperature, presence of contaminants, and anti-static additives can greatly influence the conductivity of a liquid

Molecular weight : Data not available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.

### 10.2 Chemical stability

No hazardous reaction is expected when handled and stored according to provisions  
Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Reacts with strong oxidising agents.

### 10.4 Conditions to avoid

Conditions to avoid : Avoid heat, sparks, open flames and other ignition sources.

In certain circumstances product can ignite due to static electricity.

### 10.5 Incompatible materials

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Materials to avoid : Strong oxidising agents.

### 10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage., Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, sulphur oxides and unidentified organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Information on likely routes of exposure : Exposure may occur via inhalation, ingestion, skin absorption, skin or eye contact, and accidental ingestion.

#### Acute toxicity

##### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Acute oral toxicity : LD 50 (Rat, male and female): > 2000 - <= 5000  
Method: Acceptable non-standard method.  
Remarks: May be harmful if swallowed.

Acute inhalation toxicity : LC 50 (Rat, male and female): > 2 -<= 10 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Test(s) equivalent or similar to OECD Test Guideline 403  
Remarks: LC50 greater than near-saturated vapour concentration.  
Based on available data, the classification criteria are not met.

Acute dermal toxicity : LD 50 (Rabbit, male and female): > 2.000 mg/kg  
Method: Test(s) equivalent or similar to OECD Test Guideline 402  
Remarks: Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

##### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Remarks: Moderately irritating to skin (but insufficient to classify).  
Repeated exposure may cause skin dryness or cracking.

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### Serious eye damage/eye irritation

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Species: Rabbit

Method: Test(s) equivalent or similar to OECD Test Guideline 405

Remarks: Slightly irritating.

Insufficient to classify.

### Respiratory or skin sensitisation

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Species: Guinea pig

Method: OECD Test Guideline 406

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

### Germ cell mutagenicity

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Genotoxicity in vitro : Method: Test(s) equivalent or similar to OECD Guideline 471  
Remarks: Based on available data, the classification criteria are not met.

: Method: Test(s) equivalent or similar to OECD Test Guideline 473  
Remarks: Based on available data, the classification criteria are not met.

: Method: Test(s) equivalent or similar to OECD Test Guideline 476  
Remarks: Based on available data, the classification criteria are not met.

Genotoxicity in vivo : Species: Rat  
Method: Test(s) equivalent or similar to OECD Test Guideline 475  
Remarks: Based on available data, the classification criteria are not met.

Germ cell mutagenicity- Assessment : This product does not meet the criteria for classification in categories 1A/1B.

### Carcinogenicity

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Remarks: Tumours produced in animals are not considered relevant to humans.

Not a carcinogen.

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

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Carcinogenicity - Assessment : This product does not meet the criteria for classification in categories 1A/1B.

Material	SEA Carcinogenicity Classification
Solvent naphtha (petroleum), light arom.	No carcinogenicity classification.
Cumene	Carcinogenicity Category 1B
Benzene	Carcinogenicity Category 1A

Material	Other Carcinogenicity Classification
Solvent naphtha (petroleum), light arom.	IARC: Group 3: Not classifiable as to its carcinogenicity to humans
Cumene	IARC: Group 2B: Possibly carcinogenic to humans
Benzene	IARC: Group 1: Carcinogenic to humans

### Reproductive toxicity

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Effects on fertility

: Species: Rat  
Sex: male and female  
Application Route: Inhalation

Method: Other guideline method.

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

Effects on foetal development

: Species: Rat, female  
Application Route: Inhalation  
Method: Other guideline method.  
Remarks: Based on available data, the classification criteria are not met.  
Causes foetotoxicity in animals at doses which are maternally toxic.

Reproductive toxicity - Assessment

: This product does not meet the criteria for classification in categories 1A/1B.

### STOT - single exposure

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Exposure routes: Inhalation

Target Organs: Lungs, Central nervous system

Remarks: May cause drowsiness and dizziness.

May cause respiratory irritation.



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### STOT - repeated exposure

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

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

Auditory system: prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats.

Kidney: caused kidney effects in male rats which are not considered relevant to humans

### Repeated dose toxicity

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Species: Rat, male and female

Application Route: Oral

Method: Test(s) equivalent or similar to OECD Test Guideline 408

Target Organs: No specific target organs noted

Species: Rat, male and female

Application Route: Inhalation

Test atmosphere: vapour

Method: Test(s) equivalent or similar to OECD Test Guideline 452

Target Organs: No specific target organs noted

### Aspiration toxicity

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

### Further information

#### Product:

Remarks: Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

#### Components:

##### **Solvent naphtha (petroleum), light arom.:**

Remarks: Classifications by other authorities under varying regulatory frameworks may exist.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **Hydrocarbons, C9, aromatics:**

Toxicity to fish (Acute toxicity): LC50 (Oncorhynchus mykiss (rainbow trout)): 9,2 mg/l

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ty)	Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Toxic LC/EC/IC50 >1 - <=10 mg/l
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	: EL50 (Daphnia magna (Water flea)): 3,2 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remarks: Toxic LC/EC/IC50 >1 - <=10 mg/l
Toxicity to algae (Acute toxicity)	: ErL50 (Pseudokirchneriella subcapitata (algae)): 2,9 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Toxic LC/EC/IC50 >1 - <=10 mg/l
Toxicity to bacteria (Acute toxicity)	: NOEC (Activated sludge): > 99 mg/l Exposure time: 0,16 h Method: OECD Test Guideline 209 Remarks: Practically non toxic: LC/EC/IC50 > 100 mg/l
Toxicity to fish (Chronic toxicity)	: Remarks: Data not available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: Remarks: Data not available

### 12.2 Persistence and degradability

#### Components:

#### **Hydrocarbons, C9, aromatics:**

Biodegradability	: Biodegradation: 78 % Exposure time: 28 d Method: OECD Test Guideline 301F Remarks: Readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.
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### 12.3 Bioaccumulative potential

#### Components:

#### **Hydrocarbons, C9, aromatics:**

Bioaccumulation	: Remarks: Contains components with the potential to bioaccumulate.
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### 12.4 Mobility in soil

#### Components:

#### **Hydrocarbons, C9, aromatics:**

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Mobility : Remarks: Floats on water., If it enters soil, it will adsorb to soil particles and will not be mobile.

### 12.5 Results of PBT and vPvB assessment

#### Components:

#### **Hydrocarbons, C9, aromatics:**

Assessment : The substance does not fulfill all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB..

### 12.6 Other adverse effects

#### Product:

Further information : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : Remarks: Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

#### Components:

#### **Hydrocarbons, C9, aromatics:**

Additional ecological information : Remarks: Does not have ozone depletion potential.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Recover or recycle if possible.  
It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.  
Waste product should not be allowed to contaminate soil or ground water, or be disposed of into the environment.  
Do not dispose into the environment, in drains or in water courses.  
Do not dispose of tank water bottoms by allowing them to drain into the ground. This will result in soil and groundwater contamination.  
Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.

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Waste, spills or used product is dangerous waste.

Disposal should be in accordance with applicable regional, national, and local laws and regulations.  
Local regulations may be more stringent than regional or national requirements and must be complied with.

MARPOL - see International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) which provides technical aspects at controlling pollutions from ships.

Contaminated packaging : Drain container thoroughly.  
After draining, vent in a safe place away from sparks and fire.  
Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.  
Send to drum recoverer or metal reclaimer.  
Comply with any local recovery or waste disposal regulations.

### SECTION 14: Transport information

#### 14.1 UN number

ADR : UN 1268  
RID : UN 1268  
IMDG : UN 1268  
IATA : UN 1268

#### 14.2 UN proper shipping name

ADR : PETROLEUM DISTILLATES, N.O.S.  
RID : PETROLEUM DISTILLATES, N.O.S.  
IMDG : PETROLEUM DISTILLATES, N.O.S.  
(NAPHTHA)  
IATA : Petroleum distillates, n.o.s.

#### 14.3 Transport hazard class(es)

ADR : 3  
RID : 3  
IMDG : 3  
IATA : 3

#### 14.4 Packing group

ADR  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30

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Labels : 3

### RID

Packing group : III

Classification Code : F1

Hazard Identification Number : 30

Labels : 3

### IMDG

Packing group : III

Labels : 3

### IATA

Packing group : III

Labels : 3

## 14.5 Environmental hazards

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

## 14.6 Special precautions for user

Remarks : Special Precautions: Refer to Section 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.

## 14.7 Maritime transport in bulk according to IMO instruments

MARPOL Annex 1 rules apply for bulk shipments by sea.

**Additional Information** : This product may be transported under nitrogen blanketing. Nitrogen is an odourless and invisible gas. Exposure to nitrogen may cause asphyxiation or death. Personnel must observe strict safety precautions when involved with a confined space entry.

## SECTION 15: Regulatory information

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

KKDIK (30105 (Bis)) - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex 17) : Conditions of restriction for the following entries should be considered: Entry number 3

Other regulations : The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

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Regulations on the health and safety precautions for chemicals in the workplace. Regulations on the fire protection of buildings. Regulations on the prevention of industrial accidents and the reduction of their effects.

### The components of this product are reported in the following inventories:

DSL : Listed

IECSC : Listed

TSCA : Listed

KECI : Listed

PICCS : Listed

TCSI : Listed

AIIC : Listed

NZIoC : Listed

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

## SECTION 16: Other information

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China;

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IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Prepared by

Name : Eren Aktas  
Certified Qualification date : 15.05.2024  
Certificate number : TÜV/11.241.01  
Expiry date : 15.05.2029

### Further information

Training advice : Provide adequate information, instruction and training for operators.  
Other information : A vertical bar (|) in the left margin indicates an amendment from the previous version.  
Sources of key data used to compile the Safety Data Sheet : The quoted data are from, but not limited to, one or more sources of information (e.g. toxicological data from Shell Health Services, material suppliers' data, CONCAWE, EU IUCLID data base, EC 1272 regulation, etc).

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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