

Product name : PETRENE® 900-Q
Code: 77732

Date of issue: 19/06/2019
Version: 2

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

1.1 Product identifier

Name : PETRENE® 900-Q
EC number : 285-591-5
REACH Registration number : 01-2119485843-26-0001
Name REACH : Benzene, mono-C10-13-alkyl derivs., distn. residues
CAS number : 85117-41-5
Product code : 77732
Chemical name : Benzene, mono-C10-14-alkyl derivs., fractionation bottoms
Other means of identification / Product description : Heavy linear alkylbenzene containing primarily dialkylbenzenes

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

Identified uses
See specific uses
Specific uses
Sealants and adhesives Products such as pH-regulators, flocculants, precipitants, neutralization agents Combustible. Polymerisation. Use in polymer processing. Use in metal working fluids/rolling oils Use in functional fluids Paper industry Use as an additive in plastics and rubber. Use in rubber production and processing Adsorbents Intermediate. Production Surfactants Use in lubricants Metal industry Alloying. Perfume ingredient. and Fragrance. Washing operations. Air care products (aerosol) Water treatment agent. Polishes, wax/cream (floor, furniture, shoes) Dyeing and finishing of textiles, leather or paper. Inks and toners Heat treatment of metals. Surfaces Concrete additives Paints and Coating. Biocides Heat transferring agents

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer, Distributor or Importer : CEPSA Química, S.A.
Torre CEPSA, Paseo de la Castellana 259 A
28046 Madrid - España
Email : tuteladeproducto@cepsa.com / productstewardship@cepsa.com
Telephone number : +34 913 376 000
Hours of operation : 07:30 - 19:30 (CET)

Product name : **PETRENE® 900-Q**
Code: **77732**

Date of issue: 19/06/2019
Version: 2

1.4 Emergency telephone number

Supplier/Manufacturer, Distributor or Importer

Telephone number : +44 1865 407333 (Europe, English) +44 1235 239670 (Europe, multiple languages)

+34 91 114 2520 (Spain) +33 1 72 11 00 03 (France)
+351 30880 4750 (Portugal) +49 89 220 61012 (Germany)
0800 000 7801 (Germany) +30 21 1198 3182 (Greece)
+46 8 566 42573 (Sweden) +47 2103 4452 (Norway)
+45 8988 2286 (Denmark) +358 9 7479 0199 (Finland)
+39 02 3604 2884 (Italy) +48 22 307 3690 (Poland)
+31 10 713 8195 (The Netherlands) +420 228 882 830 (Czechoslovakia)
+90 212 375 5231 (Turkey)

+1 866 928 0789, +1 215 207 0061, +1 202 464 2554 (United States and Canada)

+52 55 5004 8763 (Mexico) +55 11 3197 5891 (Brazil) +56 2 2582 9336 (Chile)

+44 1235 239671 (Middle East / Africa) +973 1619 8321 (Middle East / Bahrain)
+27 21 300 2732 (Africa / South Africa) 007 803 011 0293 (East / Southeast Asia)

+65 3158 1074 (Indonesia) 001 800 120 666 751 (Thailand)
+63 2 8231 2149 (Philippines) +60 3 6207 4347 (Malaysia)
+86 512 8090 3042 (China and Taiwan) +886 2 8793 3212 (Taiwan)
+86 532 8388 9090 (Mainland China) +91 11 6641 1405 (India)
+65 3158 1329 (Pakistan) +65 3158 1195 (Sri Lanka)
+65 3158 1285 (Korea) +82 2 3479 8401 (South Korea)
+84 8 4458 2388 (Vietnam) +81 3 4578 9341 (Japan)
+61 2 8014 4558 (Australia) +64 9 929 1483 (New Zealand)

Hours of operation : 24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : UVCB
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] : Asp. Tox. 1, H304

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H304 - May be fatal if swallowed and enters airways.

Precautionary statements

Prevention : Not applicable.

Response : P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

Storage : P405 - Store locked up.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous ingredients : Benzene, mono-C10-13-alkyl derivs., distn. residues

Product name : PETRENE® 900-Q
Code: 77732

Date of issue: 19/06/2019
Version: 2

Supplemental label elements : Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings : Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII : No.
P: Not applicable. B: No. T: Yes.

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : No.
vP: Not applicable. vB: No.

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.1 Substances : UVCB

Product description : Heavy linear alkylbenzene containing primarily dialkylbenzenes

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
Benzene, mono-C10-13-alkyl derivs., distn. residues	REACH #: 01-2119485843-26 EC: 285-591-5 CAS: 85117-41-5	100	Asp. Tox. 1, H304	[A]

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

[*] Substance

[A] Constituent

[B] Impurity

[C] Stabilising additive

Occupational exposure limits, if available, are listed in Section 8.

Product name : **PETRENE® 900-Q**
Code: **77732**

Date of issue: 19/06/2019
Version: 2

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : Adverse symptoms may include the following:
nausea or vomiting

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable** : Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable** : Do not use water.

5.2 Special hazards arising from the substance or mixture

Product name : **PETRENE® 900-Q** Date of issue: 19/06/2019
Code: **77732** Version: 2

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : No specific data.

5.3 Advice for firefighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Firefighting measures : Shut off all ignition sources. If fire cannot be extinguished, withdraw from area and allow the fire to burn. Use water spray to keep fire-exposed containers cool.

Additional information : **IMPORTANT NOTE:** Industrial use of heat transfer fluids and /or the use at elevated temperatures
During the use at elevated temperatures thermal decomposition leads to the formation of low-boiling and high-boiling secondary products. During removal of low boiling decomposition products with potential highly flammable properties from the system, appropriate risk management measures for flammable liquids have to be applied – especially when they are concentrated and collected. Risk management measurements for flammable liquids are at least: Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/ protective clothing/ eye protection/ face protection.
Advice on protection against fire and explosion: Take the normal measures for preventive fire protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Product name : PETRENE® 900-Q
Code: 77732

Date of issue: 19/06/2019
Version: 2

Large spill : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Product name : **PETRENE® 900-Q**
 Code: **77732**

Date of issue: 19/06/2019
 Version: 2

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived effect levels

Product/ingredient name	Type	Exposure	Value	Population	Effects
Benzene, mono-C10-13-alkyl derivs., distn. residues	DNEL	Long term Dermal	8,6 mg/kg bw/day	Workers	Systemic

Predicted effect concentrations

Product/ingredient name	Type	Compartment Detail	Value	Method Detail
Benzene, mono-C10-13-alkyl derivs., distn. residues	-	Fresh water	0,000075 mg/l	Assessment Factors
	-	Marine water	0,000075 mg/l	Assessment Factors
	-	Fresh water	0,001 mg/l	Assessment Factors
	-	Sewage Treatment Plant	2 mg/l	Assessment Factors
	-	Fresh water sediment	1761 mg/kg	Assessment Factors
	-	Marine water sediment	1761 mg/kg	Assessment Factors

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: Splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Full suit. PVC gloves. Neoprene gloves.

Product name : **PETRENE® 900-Q** Date of issue: 19/06/2019
Code: **77732** Version: 2

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Suitable protective footwear.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: In case of insufficient ventilation, wear suitable respiratory equipment. Gas filter mask must be worn.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state** : Liquid.
- Colour** : Yellowish.
- Odour** : Characteristic.
- Odour threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : <-39°C
- Initial boiling point and boiling range** : 300,4 to 407,5°C
- Flash point** : Closed cup: 172,8°C
Open cup: 180°C
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Container explosion may occur under fire conditions or when heated.
- Burning time** : Not applicable.
- Burning rate** : Not applicable.
- Upper/lower flammability or explosive limits** : Not available.
- Vapour pressure** : <0,005 kPa [room temperature]
- Vapour density** : Not available.
- Relative density** : 0,86 to 0,88 [ASTM D 4052-96]
- Density** : 0,876 g/cm³ [20°C (68°F)]
- Solubility(ies)** : Insoluble in the following materials: cold water and hot water.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/ water** : 6,7
- Auto-ignition temperature** : 310°C
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (room temperature): 0,449 cm²/s [OECD 117]
Kinematic (40°C): 0,14 to 0,23 cm²/s [OECD 117]

Product name : **PETRENE® 900-Q**
Code: **77732**

Date of issue: 19/06/2019
Version: 2

Explosive properties : IMPORTANT NOTE: Industrial use of heat transfer fluids and /or the use at elevated temperatures
During the use at elevated temperatures thermal decomposition leads to the formation of low-boiling and high-boiling secondary products. During removal of low boiling decomposition products with potential highly flammable properties from the system, appropriate risk management measures for flammable liquids have to be applied – especially when they are concentrated and collected. Risk management measurements for flammable liquids are at least: Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/ protective clothing/ eye protection/ face protection.
Advice on protection against fire and explosion: Take the normal measures for preventive fire protection.

Oxidising properties : Not available.

9.2 Other information

Molecular weight : 350 to 380 g/mole

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Benzene, mono-C10-13-alkyl derivs., distn. residues	LD50 Dermal	Rat - Female	>3600 mg/kg	-
	LD50 Dermal	Rat - Male	>4300 mg/kg	-
	LD50 Oral	Rat - Male	>2000 mg/kg	-

Conclusion/Summary : Not available.

Irritation/Corrosion

Product name : PETRENE® 900-Q

Date of issue: 19/06/2019

Code: 77732

Version: 2

Product/ingredient name	Result	Species	Score	Exposure	Observation
Benzene, mono-C10-13-alkyl derivs., distn. residues	Skin - Primary dermal irritation index (PDII)	Rabbit	1,25	4 hours	10 days
	Skin - Primary dermal irritation index (PDII)	Rabbit	0,55	24 hours	7 days

Conclusion/Summary:
Eyes : Not available.

Skin : Not available.

Respiratory : Not available.

Sensitisation
Conclusion/Summary:
Mutagenicity

Product/ingredient name	Test	Experiment	Result
Benzene, mono-C10-13-alkyl derivs., distn. residues	OECD 471 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 473 473 In vitro Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 476 476 In vitro Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal	Negative

Conclusion/Summary : Not available.

Carcinogenicity
Conclusion/Summary : Not available.

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	Exposure
Benzene, mono-C10-13-alkyl derivs., distn. residues	Negative	Negative	Negative	Rat	Oral	-
	Negative	Negative	Negative	Rat	Oral	-

Conclusion/Summary : Not available.

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Benzene, mono-C10-13-alkyl derivs., distn. residues	Negative - Oral	Rat	1600 mg/kg	-
	Negative - Oral	Rat	>1000 mg/kg	-
	Negative - Oral	Rat	1000 mg/kg	-
	Negative - Oral	Rat	800 mg/kg	-
	Negative - Oral	Rat	400 mg/kg	-

Conclusion/Summary : Not available.

Information on likely routes of exposure : Not available.

Potential acute health effects
Eye contact : No known significant effects or critical hazards.

Product name : **PETRENE® 900-Q**
Code: **77732**

Date of issue: 19/06/2019
Version: 2

Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : Adverse symptoms may include the following:
nausea or vomiting

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Short term exposure**

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
Benzene, mono-C10-13-alkyl derivs., distn. residues	Sub-chronic NOAEL Oral	Rat - Male	500 mg/kg	39 days; 5 days per week
	Sub-chronic LOAEL Oral	Rat	1000 mg/kg	39 days; 5 days per week
	Sub-chronic NOAEL Oral	Rat - Female	1000 mg/kg	39 days; 5 days per week
	Chronic NOAEL Oral	Rat - Male, Female	1000 mg/kg	90 days; 5 days per week
	Chronic LOAEL Oral	Rat - Male, Female	8000 mg/kg	90 days; 5 days per week

Conclusion/Summary : Not available.
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.
Other information : Not available.

SECTION 12: Ecological information**12.1 Toxicity**

Product name : **PETRENE® 900-Q**
Code: **77732**

Date of issue: 19/06/2019
Version: 2

Product/ingredient name	Result	Species	Exposure
Benzene, mono-C10-13-alkyl derivs., distn. residues	Acute LC50 >100 mg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute NOEC 2,08 mg/l Fresh water	Algae - Scenedesmus subspicatus	72 hours
	Acute NOEC >100 ppb	Daphnia - Daphnia magna	144 hours
	Acute NOEC 1,4 mg/l	Daphnia - Daphnia magna straus	48 hours
	Acute NOEC >10 ppb Fresh water	Fish - Brachydanio rerio	14 days
	Chronic LOAEL 0,015 mg/l Chronic NOEC 0,0075 mg/l Fresh water	Daphnia Daphnia - Daphnia magna	21 days 21 days

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Benzene, mono-C10-13-alkyl derivs., distn. residues	EU BODIS	28 % - 28 days	6 mg/l	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Benzene, mono-C10-13-alkyl derivs., distn. residues	-	-	Inherent

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Benzene, mono-C10-13-alkyl derivs., distn. residues	6,7	3,162	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : No.

vPvB : No.

12.6 Other adverse effects : No known significant effects or critical hazards.

Product name : PETRENE® 900-Q
Code: 77732

Date of issue: 19/06/2019
Version: 2

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

Proper shipping name : Alkylbenzene distillation bottoms(n)

Ship type : 2

Product name : PETRENE® 900-Q
Code: 77732

Date of issue: 19/06/2019
Version: 2

Pollution category : Y
Remarks : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)
Regulation (EC) No. 1272/2008 [CLP]
International Convention for the Prevention of Pollution From Ships, MARPOL 73 in its amended form.
International Maritime Dangerous Goods (Code IMDG) according to chapter VII of the International Convention for for the Safety of Life at Sea, 1974.

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.
**on the manufacture,
placing on the market
and use of certain
dangerous substances,
mixtures and articles**

Other EU regulations

Europe inventory : This material is listed or exempted.

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Substances that may be used as drug precursors according to Regulations (EC) 273/2004 and 111/2005.

Ingredient name	Annex	Status
Not listed.		

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Product name : **PETRENE® 900-Q**
Code: **77732**

Date of issue: 19/06/2019
Version: 2

Australia : Not determined.
Canada : This material is listed or exempted.
China : This material is listed or exempted.
Japan : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): Not determined.
Malaysia : Not determined.
New Zealand : This material is listed or exempted.
Philippines : Not determined.
Republic of Korea : Not determined.
Taiwan : This material is listed or exempted.
Turkey : This material is listed or exempted.
United States : This material is listed or exempted.

15.2 Chemical safety assessment : Complete.

SECTION 16: Other information

✔ Mark: Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Asp. Tox. 1, H304	Expert judgment

Full text of abbreviated H statements

H304	May be fatal if swallowed and enters airways.
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Full text of classifications [CLP/GHS]

Asp. Tox. 1, H304	ASPIRATION HAZARD - Category 1
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CN code : 3817 00 80
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Date of previous issue : 11/02/2019

Notice to reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Annex to the extended Safety Data Sheet (eSDS)

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830

Identification of the substance or mixture

Product name : PETRENE® 900-Q
Code : 77732
Product definition : UVCB
Name REACH : Benzene, mono-C10-13-alkyl derivs., distn. residues

Section 1 - Title

Short title of the exposure scenario: Generic exposure scenario (Qualitative assessment)

Specific uses

Sealants and adhesives
Products such as pH-regulators, flocculants, precipitants, neutralization agents
Combustible.
Polymerisation. Use in polymer processing.
Use in metal working fluids/rolling oils
Use in functional fluids
Paper industry
Use as an additive in plastics and rubber.
Use in rubber production and processing
Adsorbents
Intermediate. Production Surfactants
Use in lubricants
Metal industry Alloying.
Perfume ingredient. and Fragrance.
Washing operations.
Air care products (aerosol)
Water treatment agent.
Polishes, wax/cream (floor, furniture, shoes)
Dyeing and finishing of textiles, leather or paper.
Inks and toners
Heat treatment of metals. Surfaces
Concrete additives
Paints and Coating.
Biocides
Heat transferring agents

Processes and activities covered by the exposure scenario

Production or use of the substance as an intermediate product in chemical extraction processes. It includes recycling or recovery, transportation, storage, maintenance, loading and unloading (including bulk either river or sea containers, road transport, railways or ships).

Section 2 - Operational conditions and risk management measures

Section 2.1 - Control of worker exposure

Product characteristics : Liquid
Amounts used : Covers percentage substance in the product up to 100% [G13]
Frequency and duration of use : Covers daily exposures up to 8 hours (Unless otherwise stated) [G2]
Other conditions affecting workers exposure : Assumes a good basic standard of occupational hygiene is implemented [G1]

Contributing scenarios / Operational conditions and risk management measures**General Measures (Aspiration Hazard):**

The H304 hazard statement (H304: May be fatal if swallowed and enters airways) relates to potentially hazard for aspiration, a non-quantifiable hazard determined by physical properties that may only occur after accidental oral exposure or non-intended uses. A DNEL cannot be derived.

This general qualitative CSA approach aims to reduce/avoid contact or incidents with the substance concerned by this exposure scenario.

However, implementation of risk management measures (RMMs) and operational conditions (OCs) need to be proportional to the degree of concern for the health hazard presented by the substance. Exposures should be controlled, at least, to thresholds that represent an acceptable level of risk where the implementation of the chosen RMMs will ensure that the likelihood of occurring an event due to the hazard is negligible, and the risk is considered to be controlled to a level of no concern.

There are no routine anticipated exposures by ingestion related to any supported uses of the substance.

The risk arising from aspiration hazard is solely related to the physicochemical properties of the substance, e. g. viscosity. The risk can be controlled by implementing risk management measures tailored to this specific risk. For substances classified as H304, these measures will be communicated via the Safety Data Sheet by disclosing the following statements:

"IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting"

Section 2.2 - Control of environmental exposure

Product characteristics	: Liquid
Frequency and duration of use	: Not applicable.
Environment factors not influenced by risk management	: Not applicable.
Other conditions affecting environmental exposure	: Not applicable.
Technical conditions and measures at process level (source) to prevent release	: Not applicable.
Technical on-site conditions and measures to reduce or limit discharges, air emissions and releases to soil	: Not applicable.
Organisational measures to prevent/limit release from site	: Not applicable.
Conditions and measures related to sewage treatment plant	: Not applicable.
Conditions and measures related to external treatment of waste for disposal	: Not applicable.
Suitable waste treatment	: Not applicable.

Section 3 - Exposure estimation**Section 3.1 - Health**

Exposure assessment (human): : Not applicable.

Section 3.2 - Environment

Exposure assessment (environment): : Not applicable.

Section 4 - Guidance to check compliance with the exposure scenario**Section 4.1 - Health**

Health : Available hazard data do not support the need for a DNEL to be established for other health effects. [G36]
Risk management measures are based on qualitative risk characterisation. [G37]

Section 4.2 - Environment

Environment : Not applicable.