

according to Regulation (EC) No 1907/2006 (REACH) as amended

**BALTECH P6411 PETROL CLEANER**

Creation date	01st December 2009	Version	5.0
Revision date	01st December 2021		

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

**1.1. Product identifier** BALTECH P6411 PETROL CLEANER  
Substance / mixture mixture  
UFI 7STV-Y0KN-D00Y-3E68

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**

Technical liquid, for degreasing of metal objects

**Mixture uses advised against**

not available

**Main intended use**

PC-PNT-7 Paint removers, thinners and related auxiliaries

Exposure scenario is attached to the Safety Data Sheet.

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

Name or trade name	BARVY A LAKY TELURIA,s.r.o.
Address	č.p.1, Skrchov, 679 61 Czech Republic
Identification number (CRN)	43420371
VAT Reg No	CZ43420371
Phone	+420 516 474 211
E-mail	tel@teluria.cz
Web address	http://www.bal.cz

**Competent person responsible for the safety data sheet**

Name	BARVY A LAKY TELURIA, s.r.o.
E-mail	tel@teluria.cz

**1.4. Emergency telephone number**

European emergency number: 112

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Flam. Liq. 2, H225  
Asp. Tox. 1, H304  
Skin Irrit. 2, H315  
STOT SE 3, H336  
Repr. 2, H361fd  
STOT RE 2, H373  
Aquatic Chronic 2, H411

Full text of all classifications and hazard statements is given in the section 16.

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### Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

### Most serious adverse effects on human health and the environment

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Causes skin irritation. May cause damage to organs through prolonged or repeated exposure. Suspected of damaging fertility. Suspected of damaging the unborn child. Toxic to aquatic life with long lasting effects.

## 2.2. Label elements

### Hazard pictogram



### Signal word

Danger

### Hazardous substances

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

### Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P501	Dispose of container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.

### Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

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### Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Vapours have intoxicating and narcotic effect, causing headaches, eye irritation and respiratory tract irritation. If swallowed may cause lungs injury (aspiration bronchopneumonia).

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 926-605-8 Registration number: 01-2119486291-36	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	45-55	Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Repr. 2, H361f Aquatic Chronic 2, H411 EUH066	1, 4
Index: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9 Registration number: 01-2119471310-51	toluene	38-43	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361d STOT RE 2, H373	2, 3
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43	ethanol	10-12	Flam. Liq. 2, H225 Eye Irrit. 2, H319	
CAS: 3734-33-6 EC: 223-095-2	Denatonium benzoate	0,002	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	

#### Notes

- Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260- P262-P301 + P310-P331 shall apply. This note applies only to certain complex oil-derived substances in Part 3.
- Substance with a Union workplace exposure limit.
- The use of the substance is restricted by Annex XVII of REACH Regulation
- Fulfilled Note P

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**SECTION 4: First aid measures****4.1. Description of first aid measures**

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

**If inhaled**

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

**If on skin**

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water/shower.

**If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

**If swallowed**

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Provide medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

**4.2. Most important symptoms and effects, both acute and delayed****If inhaled**

Cough, headache. May cause drowsiness or dizziness.

**If on skin**

Causes skin irritation.

**If in eyes**

Not expected.

**If swallowed**

Irritation, nausea.

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

Symptomatic treatment. Pay attention: contains organic solvents. Ingestion or vomiting may occur due to aspiration into the lungs and then a rapid absorption and damage to other organs. In case of suspected break-liquid ingredients into the lungs get medical help immediately. Get medical supervision for at least 24 hours after ingestion of liquid.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

##### Unsuitable extinguishing media

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

#### 5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

### SECTION 6: Accidental release measures

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

For workers apart from emergency teams: Avoid inhalation of vapour, prevent skin and eye contact. Wear appropriate protective clothing and gloves. Wear eye protection and face shield if necessary. Use suitable respiratory protection. In closed spaces, ensure fresh air supply. Eliminate all ignition sources. No smoking and no open fire. Keep unnecessary personnel away.

For members of emergency teams: Use appropriate personal protective equipment – protective clothing with antistatic finish and impermeable work shoes. Treat unprotected skin with barrier cream. Anti-chemical protective gloves. For short-time exposure or low concentration, use respirator with organic vapour and dust filter (protection level A/P2); for high concentration and long-term exposure, self-contained respirator is necessary.

#### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. If possible prevent leakage, close container and place damaged container in protective container.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

#### 6.4. Reference to other sections

See the Section 7, 8 and 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### 7.1.1. General health measures

Use the product after due familiarization with its hazard characteristics and proper training or training in its safe use. Do not eat, drink, smoke on the site. Wash your hands and other contaminated parts of body by soap and water before eating and after the use of product is finished. Abide by requirements on personal hygiene when working with hazardous chemical products.

Use technical equipment on the site to control human and environment exposure. Regularly inspect the equipment, ensure cleaning, timely maintenance and permanent functionality. When working, use the recommended personal protective equipment listed in 8.2 of the Safety Data Sheet and in Annex to the Safety Data Sheet. Keep the protective clothing and protective equipment sound and clean. Immediately replace the damaged protective aids for sound ones. Keep the site, tools and aids clean and in sound state. On the site, keep the product in labelled containers or tanks. Store product waste and wastes contaminated by the product in suitable and properly labelled vessels located on designated marked and protected places. Ensure long-term storing of wastes containing the product outside the site.

##### 7.1.2. Fire precautions

When using the product, prevent potential ignition or explosion of the mixture of product vapour and air caused by contact with open flame, sparks, extremely hot surfaces, electrostatic discharges. Do not smoke on the site, use non-sparking tools. Places with increased occurrence of the vapour-air mixture need to be ventilated to prevent formation of explosive mixtures. Solvent vapours are heavier than air. The site should be protected from electrostatic discharges.

##### 7.1.3. Environmental precautions

Handle the product on a site technically adapted to avoid accidental leakage to sewerage systems, water or soil. Product waste and wastes contaminated by the product to be disposed of as hazardous waste. Waste water contaminated by the product may only be discharged to water reservoirs after the product components are properly removed in a waste water treatment plant or in other appropriate treatment plant able to remove drifted product components from water. Do not pour the product to waste water. Emissions of solvent from point sources are subjected to control requirements acc. to air protection regulations.

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

Store the product in properly marked, closed containers in well ventilated spaces at 5 – 25 °C. The storages must meet the requirements on storing of flammable liquids and substances hazardous for aquatic life and soil. Protect from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Store away from oxidising substances and strong acids. Do not store with food, drinks, feed material, medicines. Storages should be protected from static electricity. First aid kit and water suitable for eye rinsing should be available. Keep away from products that are corrosive to metals (eg acids or pool chemicals).

Content	Packaging type	Material of package
0,4 l	can / tin	FE
0,7 l	can / tin	FE
4 l	jerry can	FE
9 l	jerry can	FE
150 kg	barrel / drum	FE

Storage class 3A - Flammable liquids (flash point below 55 °C)  
 Storage temperature min 5 °C, max 25 °C

#### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

#### 7.3. Specific end use(s)

The conclusions of the chemical safety assessment of the compounds of the petrol cleaner are incorporated in the relevant sections of the safety data sheet. Specific requirements for the safe industrial and professional use of the petrol cleaner in terms of worker and environmental protection, processed based on the information from the exposure scenarios of the compounds of the mixture for the specific use are listed in the annex to the safety data sheet.

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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

The mixture contains substances for which occupational exposure limits are set.

**European Union****Commission Directive 2006/15/EC**

Substance name (component)	Type	Value	Note
toluene (CAS: 108-88-3)	OEL 8 hours	192 mg/m <sup>3</sup>	Skin
	OEL 8 hours	50 ppm	
	OEL 15 minutes	384 mg/m <sup>3</sup>	
	OEL 15 minutes	100 ppm	

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#### DNEL

ethanol

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	950 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	1900 mg/m <sup>3</sup>	Local acute effects	
Workers	Dermal	343 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	114 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Inhalation	950 mg/m <sup>3</sup>	Local acute effects	
Consumers	Dermal	206 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	87 mg/kg bw/day	Systemic chronic effects	

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

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	5036 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Dermal	13964 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	1131 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Dermal	1377 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	1301 mg/kg bw/day	Systemic chronic effects	

toluene

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	192 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	384 mg/m <sup>3</sup>	Systemic acute effects	
Workers	Inhalation	192 mg/m <sup>3</sup>	Local chronic effects	
Workers	Inhalation	384 mg/m <sup>3</sup>	Local acute effects	
Workers	Dermal	384 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	56.5 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Inhalation	226 mg/m <sup>3</sup>	Systemic acute effects	
Consumers	Inhalation	56.5 mg/m <sup>3</sup>	Systemic acute effects	
Consumers	Inhalation	226 mg/m <sup>3</sup>	Local acute effects	
Consumers	Dermal	226 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	8.13 mg/kg bw/day	Systemic chronic effects	



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### PNEC

ethanol

Route of exposure	Value	Determining method
Freshwater environment	0.96 mg/l	
Seawater	0.79 mg/l	
Water (intermittent release)	2.75 mg/l	
Microorganisms in wastewater treatment plants	580 mg/l	
Freshwater sediment	3.6 mg/kg of dry substance of sediment	
Sea sediments	2.9 mg/kg of dry substance of sediment	
Soil (agricultural)	0.63 mg/kg of dry substance of soil	

toluene

Route of exposure	Value	Determining method
Freshwater environment	0.68 mg/l	
Seawater	0.68 mg/l	
Water (intermittent release)	0.68 mg/l	
Microorganisms in wastewater treatment plants	13.61 mg/l	
Freshwater sediment	16.39 mg/kg of dry substance of sediment	
Sea sediments	16.39 mg/kg of dry substance of sediment	
Soil (agricultural)	2.89 mg/kg of dry substance of soil	

### 8.2. Exposure controls

Conditions of safe use of the registered product composition components specified in exposure scenarios to Safety Data Sheets of the components are given in Annex of the SDS, including the required additional measures restricting the exposure – see the exposure scenarios for the intended uses of the product.

General safety and hygienic measures. When working, do not eat, drink, smoke. Before the break and after the work, hands should be washed with soap and hot water, treated with barrier cream. Overall and local ventilation, effective extraction.

#### Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

#### Skin protection

Skin protection: Protective clothes with antistatic finish, protective shoes; treat unprotected skin with barrier cream.  
 Hand protection: Chemical resistant protective gloves (EN 374-1:2003). Suitable material – nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm) and others, time of penetration corresponding to > 480 minutes. The time of penetration specified by the manufacturer should be followed and the glove replaced after expiration. If damaged, the gloves should be replaced immediately.

The selection of suitable protective gloves does not only depend on their material, but also on other qualitative features. Furthermore, since the mixture can be used for various purposes, mixed with other substances, the suitability of gloves for all purposes cannot be predetermined and must be verified in particular use.

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### Respiratory protection

Don't breathe vapours. For short-time exposure or low concentration, use respirator with organic vapour and dust filter (protection level A/P2); for high concentration and long-term exposure, self-contained respirator is necessary.

### Thermal hazard

Not available.

### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage. Ensure that containers are properly closed during storage, handling and transport. Secure storage areas against possible leakage of product into the environment (sewerage, water, soil - see 6.2). Do not flush product into drains or watercourses.

### More information

Exposure scenario is attached to the Safety Data Sheet.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	typical aromatic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	inflammable
Lower and upper explosion limit	data not available
Flash point	4 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	non-soluble (in water)
Kinematic viscosity	data not available
Solubility in water	insoluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	0,77 g/cm <sup>3</sup> at 15 °C
Form	liquid: volatile

### 9.2. Other information

Oxidising properties	The product has no oxidizing properties.
Content of organic solvents (VOC)	1,00 kg/kg
Total organic carbon (TOC)	0,83 kg/kg

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

### 10.2. Chemical stability

The product is volatile and evaporates under standard temperature and pressure. It is stable when stored and handled under standard ambient conditions.

### 10.3. Possibility of hazardous reactions

Unknown. No known dangerous reactions when used under standard conditions. Flammable liquid. Vapours may form explosive mixture with air. Vapours are heavier than air, accumulate near the ground and below ground, and the fire can spread over long distances.

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### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

In terms of health effects, the mixture has not been tested as a whole; the data are adopted from Safety Data Sheets of raw material suppliers. Data that are not specified are currently not available.

#### Acute toxicity

Based on available data the classification criteria are not met.

ethanol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	2000 mg/kg		Rat (Rattus norvegicus)	

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

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	>5000 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LC <sub>50</sub>	>5.2 mg/l	4 hour	Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rabbit	

toluene

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	5000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	14000 mg/kg		Rabbit	
Inhalation (gases)	LC <sub>50</sub>	30080 mg/m <sup>3</sup>	4 hour	Rat (Rattus norvegicus)	
Inhalation (gases)	LC <sub>50</sub>	15040 mg/m <sup>3</sup>	4 hour	Mouse	

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Based on available data the classification criteria are not met.

#### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

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### Germ cell mutagenicity

Based on available data the classification criteria are not met.

### Carcinogenicity

Based on available data the classification criteria are not met.

### Reproductive toxicity

Suspected of damaging fertility. Suspected of damaging the unborn child.

### Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

### Toxicity for specific target organ - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard

May be fatal if swallowed and enters airways. Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time.

### More information

Human experience:

Toluene

The primary entry of toluene into the body is inhalation, in this case it is absorbed 50% of toluene. It can also be absorbed by the digestive tract or skin contact. Primarily toluene affects the central nervous system, it has a narcotic effect. It causes respiratory irritation, causes cardiac arrhythmia and damages the liver and kidneys. Acute exposure causes headaches, dizziness, fatigue, loss of coordination and color vision, vomiting and lethargy. Chronic exposure causes fatigue, loss of concentration and memory, irritability, persistent headaches. In most cases the symptoms (post exposure) are only temporary. It has a degreasing effect in contact with skin, can pass into the secondary inflammation. After a prolonged exposure there is a risk of dermatitis. Toluene can cross the placenta to the fetus, and may also be present in breast milk.

### 11.2. Information on other hazards

not available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

The complete mixture has not been tested. The classification is based on the calculation method. Information on toxic effects are based on the effects of the substances, the data are taken from the safety data sheets of raw materials. The mixture is classified as dangerous for the environment. Toxic to aquatic life with long lasting effects. The mixture is a source of volatile organic emissions. Avoid release to the environment.

ethanol

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	8140 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
EC <sub>50</sub>	9248 mg/l	48 hour	Daphnia (Daphnia magna)	

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ethanol

Parameter	Value	Time of exposure	Species	Environment
EC <sub>50</sub>	5000 mg/l	72 hour	Algae (Selenastrum capricornutum)	

Hydrocarbons, C6-C7, isoalkanes, cyclics, &lt;5% n-hexane

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	1-10 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
EC <sub>50</sub>	1-10 mg/l		Daphnia (Daphnia magna)	
EC <sub>50</sub>	1-10 mg/l	72 hour	Algae (Selenastrum capricornutum)	

toluene

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	10 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
EC <sub>50</sub>	60 mg/l	48 hour	Daphnia (Daphnia magna)	
EC <sub>50</sub>	120 mg/l	72 hour	Algae (Scenedesmus subspicatus)	
Log Pow	2.73			

### 12.2. Persistence and degradability

Data not available.

### 12.3. Bioaccumulative potential

toluene

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
BCF	16-90				

Not available.

### 12.4. Mobility in soil

toluene

Parameter	Value	Environment	Surrounding temperature
Koc	37-178		

The mixture is a liquid insoluble in water, in case of leakage into environment, it may be dispersed over large distances and penetrate into underground water. It contains components with the potential of mobility in soil. When released into the soil may occur due to contamination of groundwater.

### 12.5. Results of PBT and vPvB assessment

according to Regulation (EC) No 1907/2006 (REACH) as amended

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Creation date	01st December 2009	Version	5.0
Revision date	01st December 2021		

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. Other adverse effects

Volatile organic substances contained in the mixture have the potential to damage ozone layer.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

07 03 04 other organic solvents, washing liquids and mother liquors \*

#### Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

(\* ) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

## SECTION 14: Transport information

### 14.1. UN number or ID number

UN 1993

### 14.2. UN proper shipping name

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

### 14.3. Transport hazard class(es)

3 Flammable liquids

### 14.4. Packing group

II - substances presenting medium danger

### 14.5. Environmental hazards

The product is dangerous for the environment.

### 14.6. Special precautions for user

Reference in the Sections 4 to 8. The product is transported in ordinary and covered means of transport, protected against the weather, shocks and falls.

### 14.7. Maritime transport in bulk according to IMO instruments

not relevant

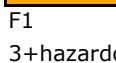
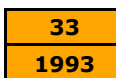
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### Additional information

Hazard identification No.		<b>33</b>	
UN number		<b>1993</b>	
Classification code		F1	
Safety signs		3+dangerous for the environment	



### Air transport - ICAO/IATA

Packaging instructions passenger	355
Cargo packaging instructions	366

### Marine transport - IMDG

EmS (emergency plan)	F-E, S-E
MFAG	310

## SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

### Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

toluene

Restriction	Conditions of restriction
48	Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public.

### 15.2. Chemical safety assessment

The chemical safety assessment has been carried out on all of substances of the mixture. The relevant exposure scenarios for the components are incorporated in the annex to the safety data sheet.

## SECTION 16: Other information

### A list of standard risk phrases used in the safety data sheet

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

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H361f	Suspected of damaging fertility.
H361d	Suspected of damaging the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

### Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P501	Dispose of container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P101	If medical advice is needed, have product container or label at hand.
P260	Do not breathe vapours.
P271	Use only outdoors or in a well-ventilated area.
P308+P313	IF exposed or concerned: Get medical advice/attention.

### A list of additional standard phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
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### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

### Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population



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LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
log K <sub>ow</sub>	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

Commission Regulation (EU) 2020/878 of 18 June 2020. REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### The changes (which information has been added, deleted or modified)

The version 5.0 replaces the SDS version from 10.7.2018. Overall revision of SDS according to Commission Regulation (EU) 2020/878.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

# Supplement to the SDS for P6402 PETROL CLEANER

## Instructions for safe use of the product

<b>Industrial use for cleaning and degreasing</b>	
This applies to the use of the product as an ingredient in cleaning and degreasing agents, including transfer of the product from warehouses, charging/discharging from/to containers and equipment, exposure during mixing and dilution at the preparation stage of use, application processes (including spraying, brushing, dipping, mechanical and hand wiping), cleaning and maintenance of the relevant equipment, laboratory activities.	
Descriptors of the individual activities involved	PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15, PROC19; ERC4
General conditions for the validity of the instructions	The following instructions apply to work with the product in undiluted form, at a temperature not exceeding the ambient temperature by more than 20°C, 8 hours a day, inside. Basic principles of good work hygiene apply at the workplace.
Basic requirements for the technical conditions of use and measures to reduce risks	If there is a risk of atomisation and exposure of eyes, use safety goggles or a shield. If there is a risk of hand contamination, use safety gloves (see sec. 8.2 of the SDS) If NPK or PEL values are exceeded, use respiratory protection (see sec. 8 of the SDS). Unless otherwise specified hereinafter, provide good level of basic ventilation at the workplace (air exchange at least 3–5 times an hour) or better. Measures to prevent fire or explosion of the product vapour mixture with air are applied at the workplace (see sec. 7 of the SDS). The workplace is protected from accidental leakage of the product in water or soil.
<b>Specific requirements for safe use in terms of worker protection:</b>	
Individual activities	Further requirements for the technical conditions of use and measures to reduce risks
Use of the substance in closed continuous and batch processes (PROC1, PROC2, PROC3)	Sampling via closed loop systems or other measures to prevent exposure of workers (e.g. a local exhaust system in areas with potential emissions).
Use of the substance when mixing and diluting in open equipment (PROC5)	In areas where product emissions may be released in the air, use a local exhaust system.
Applications by industrial spraying/misting (PROC7). (any of the mentioned methods can be used)	Robotic applications in a closed chamber equipped with local exhaust.
	Machine or manual applications in a closed chamber or other enclosed exhausted area.
	Machine or manual application in intensively ventilated area (10 to 15 air exchanges per hour) with the use of a mask with a protective filter with 90% of efficient capture of emissions (see section 8.2 of the safety data sheet).
Product transfer, charging, discharging in an open system where exposure is to be expected (PROC8a)	Use a local exhaust system in areas where emissions are released in the air.
Product transfer, charging, discharging in a closed system with limited exposure (PROC8b)	No further measures required.
Roller application or brushing, as well as cleaning of the tools (PROC10)	Use a local exhaust system in areas where emissions are released in the air.
Application by dipping or pouring (PROC13)	Use a local exhaust system in areas where emissions are released in the air.
Hand-wiping, hand-mixing and hand-application (PROC19)	Use safety gloves resistant to chemicals (see sec. 8.2 of the SDS).
Laboratory activities (PROC15)	No further measures required.
Product waste and product-contaminated waste	Wear protective gloves if there is a risk of contact with waste. Dispose of wastes in sealed containers stored in well-ventilated areas or outdoors. Waste to ensure against leakage into water and soil.
<b>Specific requirements in terms of environmental protection:</b>	
Air protection requirements	If required, reduce product emissions in the air as per requirements of air protection regulations by retention or incineration.
Water protection requirements	Water contaminated with the product before release in surface or ground water is to be treated using physical or biological methods to achieve residual level of contamination as specified by water protection regulations.
Waste management requirements	As appropriate, waste is to be used, regenerated or disposed of as dangerous waste by incineration.

<b>Professional use for cleaning and degreasing</b>	
This applies to the use of the product as an ingredient in cleaning agents, including transfer of the product from warehouses, charging/discharging from/to containers and equipment, exposure during mixing and dilution at the preparation stage of use, application processes (including spraying, brushing, dipping, mechanical and hand wiping), and cleaning and maintenance of the relevant equipment.	
Descriptors of the individual activities involved	PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC19; ERC8a (indoor), ERC8d (outdoor)
General conditions for the validity of the instructions	The following instructions apply to work with the product in undiluted form, at a temperature not exceeding the ambient temperature by more than 20°C, 8 hours a day, outside. Basic principles of good work hygiene apply at the workplace ( see section 7 of the SDS ).
Basic requirements for the technical conditions of use and measures to reduce risks	If there is a risk of atomisation and exposure of eyes, use safety goggles or a shield. If there is a risk of hand contamination, use safety gloves (see sec. 8.2 of the SDS) Unless otherwise specified hereinafter, provide good level of basic ventilation at the workplace (air exchange 3-5 times an hour) or better. The requirement is met when the area is ventilated with open windows and doors. If NPK or PEL values are exceeded, use respiratory protection (see sec. 8 of the SDS). Measures to prevent fire or explosion of the product vapour mixture with air are applied at the workplace (see sec. 7 of the SDS). The workplace is protected from accidental leakage of the product in water or soil.
<b>Specific requirements for safe use in terms of worker protection:</b>	
Individual activities	Further requirements for the technical conditions of use and measures to reduce risks
Use of the substance in closed continuous and batch processes (PROC1, PROC2, PROC3)	Sampling via closed loop systems or other measures to prevent exposure of workers (e.g. a local exhaust system in areas with potential emissions).
Use of the substance when mixing and diluting in open equipment (PROC5)	When working inside, reduce emissions in the air by using a local exhaust system.
	When working outside, no other measures are required.
Product transfer, charging, discharging in an open system where exposure is to be expected (PROC8a) (any of the procedures can be used)	When working inside, use a local exhaust system in areas with potential emissions.
	Work inside without a local exhaust system shall not exceed 4 hours a day. For the rest of the shift, the worker shall not be exposed to product vapours.
	Work outside.
Product transfer, charging, discharging in a closed system with limited possibility of exposure (PROC8a)	No further measures required.
Roller application or brushing, as well as cleaning of the tools (PROC10) (any of the procedures can be used)	When working inside, use a local exhaust system in areas with potential emissions.
	When working inside without the use of a local exhaust system, use a mixture containing max. 25% of the product.
	Work inside with the product in concentrated form without any further requirements for ventilation or use of respiratory protection shall not exceed 4 hours a day. For the rest of the shift, the worker shall not be exposed to product vapours.
Application by non-industrial (manual) spraying/misting (PROC11) (any of the procedures can be used)	Work inside is to be carried out in chambers equipped with a local exhaust system with min. 80% efficiency.
	Work inside is to be carried out with a mixture containing max. 25% of the product and in intensively ventilated areas (air exchange 5-10 times an hour) and it shall not exceed 4 hours a day. For the rest of the shift, the worker shall not be exposed to product vapours.
	Work inside with the product in concentrated form shall not exceed 1 hour a day. For the rest of the shift, the worker shall not be exposed to product vapours.
	When working inside, use a protective mask with a filter providing 90% reduction of the product content in the inhaled air (protection of the respiratory system in compliance with EN 140 standard with an A-type protective filter or better).
Application by dipping or pouring (PROC13)	No further measures required.
Hand-wiping, hand-mixing and hand-application (PROC19) (any of the procedures can be used)	Use safety gloves resistant to chemicals (see sec. 8.2 of the SDS), work with a mixture containing max. 25% of the product.
	Work with the product in concentrated form shall not exceed 1 hour a day. For the rest of the shift, the worker shall not be exposed to product vapours.
Laboratory activities (PROC15)	No further measures required.
Product waste and product-contaminated waste	Wear protective gloves if there is a risk of contact with waste. Dispose of wastes in sealed containers stored in well-ventilated areas or outdoors. Waste to ensure against leakage into water and soil.

<b>Specific requirements in terms of environmental protection:</b>	
Air protection requirements	When working outside, no other measures to reduce emissions are required. When working inside, reduce product emissions in the air depending on the activity being carried out and on the yearly amount of volatile organic compounds used according to requirements of air protection regulations.
Water protection requirements	Water contaminated with the product before release in surface or ground water is to be treated using physical or biological methods to achieve residual level of contamination as specified by water protection regulations.
Waste management requirements	As appropriate, waste is to be used, regenerated or disposed of as dangerous waste by incineration.