



## 979 Injector Direct Clean Petrol 300ml A

Print date: 28.06.2019

Product code: 1103685

Page 1 of 14

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

#### 1.1. Product identifier

979 Injector Direct Clean Petrol 300ml A

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

##### Use of the substance/mixture

Additive

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

Company name:	TUNAP GmbH & Co. KG	
Street:	Bürgermeister-Seidl-Str. 2	
Place:	D-82515 Wolfratshausen	
Telephone:	+49 (0) 8171/1600 - 0	Telefax: +49 (0) 8171/1600 - 40
e-mail:	sdb@tunap.com	
Internet:	www.tunap.com	

**1.4. Emergency telephone number:** +49 (0) 30 30 686 790 (Giftnotruf Berlin)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Aspiration hazard: Asp. Tox. 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Highly flammable liquid and vapour.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye damage.

May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, &lt;2% aromatics

Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich

Signal word: Danger

Pictograms:



##### Hazard statements

H225

Highly flammable liquid and vapour.

H304

May be fatal if swallowed and enters airways.

**979 Injector Direct Clean Petrol 300ml A**

Print date: 28.06.2019

Product code: 1103685

Page 2 of 14

H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours.
P280	Wear eye protection.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312	Call a POISON CENTER/doctor if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501	Dispose of contents/container according to the official regulations.

**2.3. Other hazards**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**



### 979 Injector Direct Clean Petrol 300ml A

Print date: 28.06.2019

Product code: 1103685

Page 3 of 14

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1634-04-4	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane			25 - < 50 %
	216-653-1	603-181-00-X		
	Flam. Liq. 2, Skin Irrit. 2; H225 H315			
1174921-73-3	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, <2% aromatics			25 - < 50 %
	927-241-2		01-2119471843-32	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H336 H304 H412 EUH066			
1398506-12-1	Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich			5 - < 10 %
	805-631-2			
	Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 2; H302 H318 H411			
337367-30-3	1-Propene, 2-methyl-, homopolymer, hydroformylation products, reaction products with ammonia )			1 - < 3 %
	Skin Irrit. 2, Aquatic Chronic 3; H315 H412			
173140-85-7	polyether			1 - < 3 %
	Skin Irrit. 2; H315			
67-56-1	methanol			0.1 - < 1 %
	200-659-6	603-001-00-X		
	Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225 H331 H311 H301 H370 **			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

#### After inhalation

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

#### After contact with skin

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

#### After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache, nausea, dizziness, fatigue, skin irritation

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

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

**979 Injector Direct Clean Petrol 300ml A**

Print date: 28.06.2019

Product code: 1103685

Page 4 of 14

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water fog. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

**Unsuitable extinguishing media**

High power water jet.

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

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO<sub>2</sub>, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

**5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Observe instructions for use.  
Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.  
When using do not eat, drink, smoke, sniff.  
Wear personal protection equipment (refer to section 8).

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

**Further information on handling**

Avoid contact with skin and eyes.

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



### 979 Injector Direct Clean Petrol 300ml A

Print date: 28.06.2019

Product code: 1103685

Page 5 of 14

#### Requirements for storage rooms and vessels

Keep container tightly closed. Observe legal regulations and provisions.

#### Hints on joint storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

#### Further information on storage conditions

Store in a cool dry place. Observe legal regulations and provisions.

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

No information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
67-56-1	Methanol	200	266		TWA (8 h)	WEL
		250	333		STEL (15 min)	WEL
1634-04-4	Methyl-tert-butyl ether	50	183,5		TWA (8 h)	WEL
		100	367		STEL (15 min)	WEL

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1174921-73-3	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, <2% aromatics			
	Worker DNEL, long-term	inhalation	systemic	871 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	77 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	185 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	46 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	46 mg/kg bw/day
67-56-1	methanol			
	Worker DNEL, long-term	inhalation	systemic	260 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	260 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation	local	260 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	260 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	40 mg/kg bw/day
	Worker DNEL, acute	dermal	systemic	40 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	50 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	50 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	50 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	local	50 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	8 mg/kg bw/day
	Consumer DNEL, acute	dermal	systemic	8 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	8 mg/kg bw/day
	Consumer DNEL, acute	oral	systemic	8 mg/kg bw/day

**979 Injector Direct Clean Petrol 300ml A**

Print date: 28.06.2019

Product code: 1103685

Page 6 of 14

**PNEC values**

CAS No	Substance	
	Environmental compartment	Value
67-56-1	methanol	
	Freshwater	20,8 mg/l
	Freshwater (intermittent releases)	1540 mg/l
	Marine water	2,08 mg/l
	Freshwater sediment	77 mg/kg
	Marine sediment	7,7 mg/kg
	Micro-organisms in sewage treatment plants (STP)	100 mg/l
	Soil	100 mg/kg

**Additional advice on limit values**

- a no restriction
- b End of exposure or shift
- c in long-term exposure: after several shifts
- d prior to next shift

TWA (EC): time-weighted average

U: Urea

**8.2. Exposure controls****Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Protective and hygiene measures**

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses.

DIN EN 166

**Hand protection**

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber) Breakthrough time (maximum wearing time) 480min

Thickness of the glove material 0,45 mm

DIN EN 374

**Skin protection**

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

**Respiratory protection**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

When exceeding the relevant workplace exposure limits, note the following:

Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

Filtering device with filter or ventilator filtering device of type: A

Observe the wear time limits as specified by the manufacturer.

Observe legal regulations and provisions.

**Environmental exposure controls**

No information available.



## 979 Injector Direct Clean Petrol 300ml A

Print date: 28.06.2019

Product code: 1103685

Page 7 of 14

### SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	yellow
Odour:	amine-like

#### Test method

pH-Value (at 20 °C):

#### Changes in the physical state

Melting point: No information available.

Initial boiling point and boiling range: 55 °C

Sublimation point: No information available.

Softening point: No information available.

: No information available.

Flash point: &lt; 12 °C ISO 3679

Lower explosion limits: 0,6 vol. %

Upper explosion limits: 8,4 vol. %

Ignition temperature: &gt; 200 °C

Vapour pressure: No information available.

Density (at 20 °C): 0,7632 g/cm<sup>3</sup> DIN 51757

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Partition coefficient: No information available.

Viscosity / dynamic: No information available. DIN 53019-1

Viscosity / kinematic:  
(at 40 °C) DIN EN ISO 3104

Flow time: No information available.

Vapour density: No information available.

Evaporation rate: No information available.

Solvent separation test: No information available.

Solvent content: No information available.

#### 9.2. Other information

Solid content: No information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

flammable liquids

#### 10.2. Chemical stability

The product is stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.



### 979 Injector Direct Clean Petrol 300ml A

Print date: 28.06.2019

Product code: 1103685

Page 8 of 14

#### 10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

#### 10.5. Incompatible materials

Oxidizing agents. Pyrophoric or self-heating substances.

#### 10.6. Hazardous decomposition products

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO<sub>2</sub>, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

#### Further information

Do not mix with other chemicals.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicokinetics, metabolism and distribution

No information available.

#### Acute toxicity

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

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
1634-04-4	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane			
	oral	LD50 3866 mg/kg	Rat	
	dermal	LD50 > 2000 mg/kg	Rat	
	inhalation (4 h) vapour	LC50 85 mg/l	Rat	
1174921-73-3	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, <2% aromatics			
	oral	LD50 > 15000 mg/kg	Rat	Study report (1977)
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1993)
	inhalation (4 h) vapour	LC50 > 4951 mg/l	Rat	
1398506-12-1	Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich			
	oral	LD50 > 5000 mg/kg	Rat	
	dermal	LD50 > 2000 mg/kg	Rabbit	
67-56-1	methanol			
	oral	LD50 6000 mg/kg	Monkey	Amer J Ophthalmol 40: 76-83 (cited in DG)
	dermal	LD50 17100 mg/kg	Kaninchen	
	inhalation (4 h) vapour	LC50 128,2 mg/l	Rat	Study report (1980)
	inhalation aerosol	ATE 0,5 mg/l		

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

Caution if victim vomits: Risk of aspiration! Vapours may cause drowsiness and dizziness. After skin contact: irritant.

#### Sensitising effects

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



**979 Injector Direct Clean Petrol 300ml A**

Print date: 28.06.2019

Product code: 1103685

Page 9 of 14

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.  
No indications of human carcinogenicity exist.  
No indications of human germ cell mutagenicity exist.  
No indications of human reproductive toxicity exist.

**STOT-single exposure**

May cause drowsiness or dizziness. (Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, <2% aromatics)

**STOT-repeated exposure**

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

**Aspiration hazard**

May be fatal if swallowed and enters airways. (Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, <2% aromatics)

**Specific effects in experiment on an animal**

No information available.

**Additional information on tests**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**SECTION 12: Ecological information****12.1. Toxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



according to Regulation (EC) No 1907/2006

**979 Injector Direct Clean Petrol 300ml A**

Print date: 28.06.2019

Product code: 1103685

Page 10 of 14

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
1634-04-4	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				
	Acute fish toxicity	LC50 672 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 > 800 mg/l	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50 651 mg/l	48 h	Daphnia magna	
1174921-73-3	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, <2% aromatics				
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 >1000 mg/l	48 h	Daphnia magna	
	Fish toxicity	NOEC 0,182 mg/l	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)
	Crustacea toxicity	NOEC 0,317 mg/l	21 d	Daphnia magna	Company report (2010)
1398506-12-1	Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich				
	Acute fish toxicity	LC50 >1 - 10 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50 >1 mg/l	48 h	Daphnia magna	
67-56-1	methanol				
	Acute fish toxicity	LC50 15400 mg/l	96 h	Lepomis macrochirus	Bulletin of Environmental Contamination
	Acute algae toxicity	ErC50 ca. 22000 mg/l	96 h	Pseudokirchneriella subcapitata	Ecotoxicology and Environmental Safety 7
	Acute crustacea toxicity	EC50 > 10000 mg/l	48 h	Daphnia magna	Water Research 23(4): 495-499 (1989)
	Fish toxicity	NOEC 446,7 mg/l	28 d	Pimephales promelas	SAR and QSAR in Environmental Research,
	Crustacea toxicity	NOEC 208 mg/l	21 d	Daphnia magna	OECD QSAR Toolbox Report (2013)

**12.2. Persistence and degradability**

There are no data available on the mixture itself. AOX (mg/l): 0

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
1634-04-4	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	0,94
67-56-1	methanol	-0,77



according to Regulation (EC) No 1907/2006

**979 Injector Direct Clean Petrol 300ml A**

Print date: 28.06.2019

Product code: 1103685

Page 11 of 14

**BCF**

CAS No	Chemical name	BCF	Species	Source
1174921-73-3	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, <2% aromatics	144,3	calculated	Other company data (
67-56-1	methanol	1	Cyprinus carpio	Comparative Biochemi

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

This substance does not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**Waste disposal number of waste from residues/unused products**

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

**Waste disposal number of used product**

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

**Waste disposal number of contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN number:**

UN1993

**14.2. UN proper shipping name:**

FLAMMABLE LIQUIDS, N.O.S. (tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane, Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %))

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:

3

Classification code:

F1

Special Provisions:

274 601 640C

Limited quantity:

1 L

Transport category:

2



### 979 Injector Direct Clean Petrol 300ml A

Print date: 28.06.2019

Product code: 1103685

Page 12 of 14

Hazard No: 33  
Tunnel restriction code: D/E

#### Other applicable information (land transport)

Limited quantity: E2

#### Inland waterways transport (ADN)

**14.1. UN number:** UN1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUIDS, N.O.S. (tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane, Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %))  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3  
Classification code: F1  
Special Provisions: 274 601 640C  
Limited quantity: 1 L

#### Other applicable information (inland waterways transport)

Limited quantity: E2

#### Marine transport (IMDG)

**14.1. UN number:** UN1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (tert-butyl methyl ether, Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %))  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3  
Marine pollutant: no  
Special Provisions: 274  
Limited quantity: 1 L  
EmS: F-E, S-E

#### Other applicable information (marine transport)

Limited quantity: E2

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (tert-butyl methyl ether, Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25 %))  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3  
Special Provisions: A3  
Limited quantity Passenger: 1 L  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

#### Other applicable information (air transport)

Limited quantity: E2  
Passenger-LQ: Y341

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no



## 979 Injector Direct Clean Petrol 300ml A

Print date: 28.06.2019

Product code: 1103685

Page 13 of 14

### 14.6. Special precautions for user

Warning: Combustible liquids

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

not applicable

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, &lt;2% aromatics

Entry 69: methanol

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

#### Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

#### National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 2,4,5,7,8,9,10,11,16.

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL/DMEL: Derived No Effect Level / Derived Minimal Effect Level

WEL (UK): Workplace Exposure Limits

TWA (EC): Time-Weighted Average

ATE: Acute Toxicity Estimate

STEL (EC) Short Term Exposure Limit

LC50: Lethal Concentration

EC50: half maximal Effective Concentration

ErC50: means EC50 in terms of reduction of growth rate

### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.

**979 Injector Direct Clean Petrol 300ml A**

Print date: 28.06.2019

Product code: 1103685

Page 14 of 14

H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*