

## Safety Data Sheet

according to UK REACH Regulation

### CleanTEC Injector Dismantling Aid

Revision date: 18.05.2022

Product code: 2487

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

##### 1.1. Product identifier

CleanTEC Injector Dismantling Aid

##### Further trade names

PRO-TEC Injector Dismantling Aid

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

##### Use of the substance/mixture

Cleaning agent.  
Solvents.

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

Company name: cms CleanTEC GmbH  
Street: Geretsrieder Str. 33  
Place: D-84478 Waldkraiburg  
Telephone: +49 (0)8638 5579  
Internet: www.cleantec-chemie.de

##### Further Information

Article Number: 304

#### SECTION 2: Hazards identification

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

##### GB CLP Regulation

Aerosol 1; H222-H229  
Asp. Tox. 1; H304  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
STOT SE 3; H336  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

##### GB CLP Regulation

##### Hazard components for labelling

Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline), hydrotreated light propan-2-ol; isopropyl alcohol; isopropanol  
Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline),hydrotreated heavy

Signal word: Danger

##### Pictograms:



##### Hazard statements

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

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**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.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing aerosole.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of this material and its container to hazardous or special waste collection point.

**Labelling of packages where the contents do not exceed 125 ml****Signal word:** Danger**Pictograms:****Hazard statements**

H222-H229-H336-H412

**Precautionary statements**

P101-P102-P210-P211-P251-P261-P271-P304+P340-P410+P412-P501

**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**

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### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
106-97-8	Butane	40 - < 45 %
	203-448-7	01-2119474691-32
	Flam. Gas 1A, Compressed gas; H220 H280	
74-98-6	propane	20 - < 25 %
	200-827-9	01-2119486944-21
	Flam. Gas 1A, Compressed gas; H220 H280	
64742-49-0	Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline), hydrotreated light	10 - < 15 %
	927-510-4	01-2119475515-33
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411	
90622-57-4	Isoaliphatic Hydrocarbons (C9-C12)	5 - < 10 %
	292-459-0	
	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4; H226 H304 H413 EUH066	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	5 - < 10 %
	200-661-7	01-2119457558-25
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
64741-65-7	Naphtha (petroleum), Naphtha low boiling, modified	1 - < 5 %
	265-067-2	
	Asp. Tox. 1, Aquatic Chronic 4; H304 H413 EUH066	
64742-48-9	Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline),hydrotreated heavy	1 - < 5 %
	265-150-3	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066	
78-78-4	isopentane; 2-methylbutane	< 1 %
	201-142-8	01-2119475602-38
	Flam. Liq. 1, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H224 H336 H304 H411 EUH066	

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

### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
90622-57-4	292-459-0	Isoaliphatic Hydrocarbons (C9-C12)	5 - < 10 %
		dermal: LD50 = 3200 mg/kg; oral: LD50 = 10000 mg/kg	
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	5 - < 10 %
		inhalation: LC50 = 47,5 mg/l (vapours); dermal: LD50 = 12800 mg/kg; oral: LD50 = 5280 mg/kg	
64742-48-9	265-150-3	Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline),hydrotreated heavy	1 - < 5 %
		dermal: LD50 = >3000 mg/kg; oral: LD50 = >5000 mg/kg	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

- Remove affected person from the danger area and lay down.
- Change contaminated clothing.

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### After inhalation

Provide fresh air. If victim is at risk of losing consciousness, position and transport on their side.

### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, seek medical treatment.

### After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

### After ingestion

Do NOT induce vomiting. Consult physician.

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

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

The following symptoms may occur:

unconsciousness. Intoxication. vomiting. drowsiness. Headache.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguishing powder.

Carbon dioxide (CO<sub>2</sub>).

Water fog.

alcohol resistant foam.

#### Unsuitable extinguishing media

High power water jet.

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

Swims on the water. Vapours are heavier than air and will spread at floor level.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Cool endangered container in case of fire.

## SECTION 6: Accidental release measures

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

#### General advice

Provide adequate ventilation. Wear suitable solvent-proof protective clothing according to EN 465. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes.

Do not breathe gas/fumes/vapour/spray.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

#### Other information

Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).

### 6.4. Reference to other sections

Explosive. Vapours may form explosive mixtures with air.

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

Keep only in the original container in a cool, well-ventilated place.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

**Advice on protection against fire and explosion**

Vapours may form explosive mixtures with air.

**Advice on general occupational hygiene**

Keep away from food, drink and animal feedingstuffs.

Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work.

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

The floor should be leak tight, jointless and not absorbent. Keep only in the original container in a cool, well-ventilated place. Do not store at temperatures over: 50 °C

Heating causes rise in pressure with risk of bursting.

**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
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
78-78-4	Isopentane	600	1800		TWA (8 h)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

**8.2. Exposure controls****Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear tightly sealed safety glasses against possible splashes into the eyes.

**Hand protection**

Tested protective gloves are to be worn: FKM (Fluoroelastomer (Viton)).NBR (Nitrile rubber).

**Respiratory protection**

Have to care for a good Ventilation at workplace.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Aerosol
Colour:	red/silver grey
Odour:	characteristic

**Changes in the physical state**

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Boiling point or initial boiling point and boiling range:	< -20 °C
Flash point:	< -20 °C
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	10,8 vol. %
Auto-ignition temperature:	> 200 °C
Density (at 20 °C):	0,63 g/cm <sup>3</sup>

### 9.2. Other information

#### Other safety characteristics

No data

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No decomposition when used as intended.

### 10.3. Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4. Conditions to avoid

Do not store at temperatures over: 50 °C  
Keep away from heat.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Acute toxicity

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
90622-57-4	Isoaliphatic Hydrocarbons (C9-C12)				
	oral	LD50 mg/kg	10000	Rat	GESTIS
	dermal	LD50 mg/kg	3200	Rabbit	GESTIS
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 mg/kg	5280	Rat	
	dermal	LD50 mg/kg	12800	Rabbit	
	inhalation (4 h) vapour	LC50	47,5 mg/l	Rat	
64742-48-9	Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline),hydrotreated heavy				
	oral	LD50 mg/kg	>5000	Rat	
	dermal	LD50 mg/kg	>3000	Rabbit	

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

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

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

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

**STOT-single exposure**

May cause drowsiness or dizziness. (Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline), hydrotreated light)

**STOT-repeated exposure**

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

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**11.2. Information on other hazards****Other information**

No information available.

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-49-0	Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline), hydrotreated light					
	Acute crustacea toxicity	EC50 mg/l	1-10	48 h	Daphnia magna	
	Crustacea toxicity	NOEC	1 mg/l		Daphnia magna	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	9640	96 h	Pimephales promelas	
	Acute algae toxicity	ErC50 mg/l	1000	72 h	Algae	
	Acute crustacea toxicity	EC50 mg/l	13299	48 h	Daphnia magna	

#### **12.2. Persistence and degradability**

Surfactants fully biodegradable.

#### **12.3. Bioaccumulative potential**

Swims on the water. Low potential of bio-accumulation.

#### **Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
74-98-6	propane	2,36

#### **12.4. Mobility in soil**

No information available.

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

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

#### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### **12.7. Other adverse effects**

No information available.

#### **Further information**

Do not empty into drains or the aquatic environment.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Arrange about the exact waste code with the local waste disposal expert.

Do not dispose with household waste.

##### **List of Wastes Code - residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

##### **List of Wastes Code - used product**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

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**Contaminated packaging**

Dispose of waste according to applicable legislation. Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS Propane/butane-mixture
<b>14.3. Transport hazard class(es):</b>	2
<b>14.4. Packing group:</b>	-
Hazard label:	2.1 
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Hazard No:	-
Tunnel restriction code:	D

**Inland waterways transport (ADN)**

<b>14.1. UN number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS Propane/butane-mixture
<b>14.3. Transport hazard class(es):</b>	2
<b>14.4. Packing group:</b>	-
Hazard label:	2.1 
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS Propane/butane-mixture
<b>14.3. Transport hazard class(es):</b>	2.1
<b>14.4. Packing group:</b>	-
Hazard label:	2.1 
Marine pollutant:	-
Special Provisions:	63, 190, 277, 327, 344, 381, 959

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Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

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

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, FLAMMABLE  
 Propane/butane-mixture  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: A145 A167 A802  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y203  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No information available.

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

No information available.

**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 3, Entry 28, Entry 29, Entry 40, Entry 75

2010/75/EU (VOC): 85,5 % (538,65 g/l)  
 2004/42/EC (VOC): 73,5 % (463,05 g/l)  
 Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

**Additional information**

Contains: (Regulation (EC) No. 648/2004 (Detergents regulation))  
 15 - 30 % hydrocarbons, aliphatic.

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

Regarding the EU-directive 2008/105/EU contains the product none of the listed substances.

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

Butane  
 propane

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Low boiling point hydrogen treated naphtha, Naphtha (petroleum, gasoline), hydrotreated light propan-2-ol; isopropyl alcohol; isopropanol  
isopentane; 2-methylbutane

**SECTION 16: Other information****Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Bridging principle "Aerosols"
Eye Irrit. 2; H319	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"
Aquatic Chronic 3; H412	Calculation method

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

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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