

# **Safety Data Sheet**

according to Commission Regulation (EU) 2020/878 as amended

# FUEL INJECTOR CLEANER

**TEC-2000 LTD.** 

P. O. BOX 285, Hitchin, HERTS., SG4 9WQ, U.K.

# info@TEC-2000.co.uk

 PH:
 01462-433 660

 FAX:
 01462-674 468

 MOB:
 07831-105 386

Version Number: 18	
	Revision Date: 21-November-2023
SECTION 1: Identification of the substar	ce/mixture and of the company/undertaking
1.1 Product Identifier	TEC-2000 FUEL INJECTOR CLEANER
Substance / mixture	mixture
UFI:	2800-U0RP-S00Q-1S3U
1.2 Relevant identified uses of the subst	ance or mixture and uses advised against
Mixture's intended use	•
Clean Fuel Injectors (& Carburettors) O	f Petrol Engines In Situ.
Main intended use	<b>3 1 1 1</b>
PC-CLN-OTH	Other cleaning, care and maintenance products (excludes biocidal products)
Mixture uses advised against	
	s other then those referred in Section 1.
.3 Details of the supplier of the safety d	
Manufacturer:	
Name or trade name	TEC-2000 LIMITED
Address	PO Box 285, Hitchin, Hertfordshire, SG4 9WQ United Kingdom
	GB626640834
VAT Reg No	
Phone	+44 (0) 1462 433 660
E-mail	mike@tec-2000.co.uk
Web address	www.tec-2000.co.uk
Competent person responsible for th	
Name	TEC-2000 LIMITED
E-mail	mike@tec-2000.co.uk
.4 Emergency telephone number	
0044 (Ø) 7831 105386 (24hrs)	
NHS Direct: 111	
	xe (NPIS): 0344 892 0111 (healthcare professionals only).
Ireland - National Poisons Information (	Centre (NPIC): (01) 809 2566 (healthcare professionals only).
SECTION 2: Hazards identification	
	. <b>4</b>
2.1 Classification of the substance or mi	
Classification according to Regulation	on (EC) NO 12/2/2008
The mixture is classified as dangerous.	
Flam. Liq. 2, H225	
Asp. Tox. 1, H304	
Skin Irrit. 2, H315	
Eye Dam. 1, H318	
STOT SE 3, H335, H336	
STOT RE 2, H373	
Aquatic Chronic 2, H411	
•	determine to in the eastion 10
Full text of all classifications and bazard	d statements is given in the section 16
	and affected
Most serious adverse physico-chem	ical effects
Most serious adverse physico-chem Highly flammable liquid and vapour.	
Most serious adverse physico-chem Highly flammable liquid and vapour. Most serious adverse effects on hun	nan health and the environment
Most serious adverse physico-chem Highly flammable liquid and vapour. Most serious adverse effects on hun May be fatal if swallowed and enters ai	nan health and the environment ways. May cause respiratory irritation. May cause drowsiness or dizziness. Causes skin irritation.
Most serious adverse physico-chem Highly flammable liquid and vapour. Most serious adverse effects on hun May be fatal if swallowed and enters air May cause damage to organs through	nan health and the environment
Most serious adverse physico-chem Highly flammable liquid and vapour. Most serious adverse effects on hun May be fatal if swallowed and enters ai May cause damage to organs through effects.	nan health and the environment ways. May cause respiratory irritation. May cause drowsiness or dizziness. Causes skin irritation.
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Most serious adverse physico-chem Highly flammable liquid and vapour. Most serious adverse effects on hun May be fatal if swallowed and enters aii May cause damage to organs through effects. 2.2 Label elements Hazard pictograms: Signal word: Danger	nan health and the environment ways. May cause respiratory irritation. May cause drowsiness or dizziness. Causes skin irritation. prolonged or repeated exposure. Causes serious eye damage. Toxic to aquatic life with long lasting ways. May cause respiratory irritation. May cause drowsiness or dizziness. Causes skin irritation.
Most serious adverse physico-chem Highly flammable liquid and vapour. Most serious adverse effects on hun May be fatal if swallowed and enters aii May cause damage to organs through effects. 2.2 Label elements Hazard pictograms: Composition of the series	man health and the environment         ways. May cause respiratory irritation. May cause drowsiness or dizziness. Causes skin irritation.         prolonged or repeated exposure. Causes serious eye damage. Toxic to aquatic life with long lasting         Image: Comparison of the environment of the enviro
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Hazardous substances		
Petroleum light aromatic C	q	
acetone	•	
propan-2-ol		
xylene		
•	alphatridecylomegahydroxy-	
Hazard statements:		
H225	Highly flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation	
H318	Causes serious eye damage.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H411	Toxic to aquatic life with long lasting effects.	
Precautionary statement		
P102	Keep out of reach of children.	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources	s. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P264	Wash hands and exposed parts of the body thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin w	ith water or shower.
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 lens	es, if present and easy to do.
<b>D</b> 240	Continue rinsing.	
P310	Immediately call a POISON CENTER/doctor.	
P321 P332+P313	Specific treatment (see on this label). If skin irritation occurs: Get medical advice/attention.	
P362+P364 P405	Take off contaminated clothing and wash it before reuse. Store locked up.	
P501	Dispose of contents/container to according to local/by regional/according to nation	al/by international regulations
Supplemental informatio		andy international regulations.
	II. Peneated exposure may cause skin dryness or cracking	

EUH066 Repeated exposure may cause skin dryness or cracking.

>30% aromatic hydrocarbons, <5% non-ionic surfactants

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.

### **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

Chemical characterization Mixture.

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
CAS: 64742-95-6 EC: 918-668-5 Registration number: 01-2119455851-35-XXXX	Petroleum light aromatic C9	25-60	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335, H336 Aquatic Chronic 2, H411	
ndex: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 Registration number: 01-2119471330-49-XXXX	Acetone	20-25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	2

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25- XXXX	propan-2-ol	20-25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Index: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 Registration number: 01- 2119488216-32- XXXX	Xylene	10-<20	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312+H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Aquatic Chronic 3, H412	1,
CAS: 24938-91-8	Poly(oxy-1,2-ethanediyl), .alphatridecylomegahydroxy-	3-<5	Acute Tox. 4, H302 Eye Dam. 1, H318	

Notes

1 Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

2 Substance with a Union workplace exposure limit.

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

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

Do not perform artificial respiration without self-protection (e.g. a mask). 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

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately; move the affected person to fresh air. 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.

### lf 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 or 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. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

# If swallowed

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). Ensure 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

Inhaling vapours can cause corrosion of the breathing system. Cough, headache. May cause respiratory irritation. May cause drowsiness or dizziness.

If on skin

Causes skin irritation. **If in eyes** Causes serious eye damage. **If swallowed** 

Corrosion of the digestion system can occur.

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

### **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

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. 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

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

### 6.2 Environmental precautions:

Do not allow to enter drains. Prevent contamination of the soil and entering surface or ground water.

### 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.

### **SECTION 7: Handling and Storage**

### 7.1 Precautions for safe handling:

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges. Avoid release to the environment.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

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

### **SECTION 8: Exposure Controls/Personal Protection**

### 8.1 Control parameters

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

### European Union

Substance name (component)	Туре	Value	Note
acatana (CAS: 67.64.1)	OEL 8 hours	1210 mg/m <sup>3</sup>	
acetone (CAS: 67-64-1)	OEL 8 hours	500 ppm	
	OEL 8 hours	221 mg/m <sup>3</sup>	
vulence (CAS: 1220-20-7)	OEL 8 hours	50 ppm	Skin
xylene (CAS: 1330-20-7)	OEL 15 minutes	442 mg/m <sup>3</sup>	SKIL
	OEL 15 minutes	100 ppm	

#### Commission Directive 2000/39/EC

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#### 8.2 Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

### Eye/face protection

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

#### Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

#### **Respiratory protection**

Mask with a filter in a poorly ventilated environment.

## Thermal hazard

Data not available.

## Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

### **SECTION 9: Physical and Chemical Properties**

9.1 Information on basic physical and chemical properties				
Physical state	liquid			
Colour	red			
Odour	data not available			
Melting point/freezing point	data not available			
Boiling point or initial boiling point and boiling range	56 °C			
Flammability	data not available			
Lower and upper explosion limit				
bottom	0,8 %			
upper	13,3 %			
Flash point	0°C			
Auto-ignition temperature	data not available			
Decomposition temperature	data not available			
рН	non-soluble (in water)			
Kinematic viscosity	data not available			
Solubility in water	data not available			
Partition coefficient n-octanol/water (log value)	data not available			
Vapour pressure	data not available			
Density and/or relative density	data not available			
Relative vapour density	data not available			
Particle characteristics	data not available			
9.2 Other information				
not available				

#### **SECTION 10: Stability and Reactivity**

### 10.1 Reactivity:

not available

### 10.2 Chemical stability

The product is stable under normal conditions.

- 10.3 Possibility of hazardous reactions:
- Unknown.
- 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

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. No toxicological data is available for the mixture.

### Acute toxicity

Based on available data the classification criteria are not met.

#### acetone

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	$LD_{50}$	5800 mg/kg		Rat	
Derma	LD <sub>50</sub>	20000 mg/kg		Rabbit	
propan-2-ol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	$LD_{50}$	5840 mg/kg		Rat	
Dermal	LD <sub>50</sub>	12800 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	30 mg/l	4 hour	Rat	
xylene					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	4300 mg/kg		Rat	
Dermal	$LD_{50}$	2000 mg/kg		Rabbit	

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

#### 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**

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

May cause respiratory irritation. 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.

#### 11.2 Information on 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.

### **SECTION 12: Ecological information**

# 12.1 Toxicity

Acute toxicity

Toxic to aquatic life with long lasting effects.

Petroleum Light aromatic C9					
Parameter	Value	Exposure time	Species	Environment	
EC <sub>50</sub>	3.2 mg/l	48 hour	Daphnia		
propan-2-ol					
Parameter	Value	Exposure time	Species	Environment	
LC <sub>50</sub>	9640 mg	96 hour	Fishes		
LC <sub>50</sub>	>10000 mg	24 hour	Daphnia		

#### **Chronic toxicity**

propan-2-ol				
Parameter	Value	Exposure time	Species	Environment
NOEC	1050 mg/l		Microorganisms	

# 12.2 Persistence and degradability:

# Biodegradability

Petroleum light aromatic C9							
Parameter	Value	Exposure time	Environment	Result			
	>60 %	28 day		Biodegradable			

The mixture is biodegradable.

### 12.3 Bioaccumulative potential:

Data not available.

**TEC-2000** Fuel Injector Cleaner Version Number: 18 Revision Date: 21-November-2023 12.4 Mobility in soil: Data not available 12.5 Results of PBT and vPvB assessment 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: Data not available. **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. **SECTION 14: Transport Information** 14.1 UN Number or ID number UN 1993 14.2 UN proper shipping name PETROLEUM DISTILLATES, N.O.S. (Petroleum Light aromatic C9) 14.3 Transport hazard class(es) 3 Flammable liquids 14.4 Packing group II - substances presenting medium danger 14.5 Environmental hazards: not relevant 14.6 Special precautions for user not available 14.7 Maritime transport in bulk according to IMO instruments not relevant Additional information Hazard identification No. 33 UN number 1993 Classification code F1 3+hazardous for the environment Safety signs 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. REGULATION (EC) No. 648/2004 OF THE EUROPEAN PARLIAMENTAND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Product contains

# 15.2 Chemical safety assessment:

not available

Article 9.

reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148,

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SECTION 16: Other Information.							
A list of standard risk phrases used in the safety data sheet							
H225	Highly flammable liquid and vapour.						
H226	Flammable liquid and vapour.						
H302	Harmful if swallowed.						
H304	May be fatal if swallowed and enters airways.						
H315	Causes skin irritation.						
H318	Causes serious eye damage.						
H319	Causes serious eye irritation.						
H335	May cause respiratory irritation.						
H336	May cause drowsiness or dizziness.						
H373	May cause damage to organs through prolonged or repeated exposure.						
H411	Toxic to aquatic life with long lasting effects.						
H412	Harmful to aquatic life with long lasting effects.						
H312+H332	Harmful in contact with skin or if inhaled.						
P102	nandling used in the safety data sheet						
P102 P210	Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.						
P260	Do not breathe dust/fume/gas/mist/vapours/spray.						
P271	Use only outdoors or in a well-ventilated area.						
P264	Wash hands and exposed parts of the body thoroughly after handling.						
P280	Wear protective gloves/protective clothing/eye protection/face protection.						
P310	Immediately call a POISON CENTER/doctor.						
P321	Specific treatment (see on this label).						
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.						
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.						
P362+P364	Take off contaminated clothing and wash it before reuse.						
P332+P313	If skin irritation occurs: Get medical advice/attention.						
P405	Store locked up.						
P501	Dispose of contents/container to according to local/by regional/according to national/by international regulations.						
	tandard phrases used in the safety data sheet						
	xposure may cause skin dryness or cracking. <b>rmation about human health protection</b>						
	be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1.						
	le for adherence to all related health protection regulations						
-	and acronyms used in the safety data sheet						
ADR	European agreement concerning the international carriage of dangerous goods by road						
BCF CAS	Bioconcentration Factor Chemical Abstracts Service						
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures						
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						
ES	Identification code for each substance listed in EINECS						
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						
	Lethal concentration of a substance in which it can be expected death of 50% of the population						
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population						
log Kow MARPOL	Octanol-water partition coefficient International Convention for the Prevention of Pollution from Ships						
NOEC	No observed effect concentration						
OEL	Occupational Exposure Limits						
PBT	Persistent, Bioaccumulative and Toxic						
ppm	Parts per million						
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals						
RID	Agreement on the transport of dangerous goods by rail						

Agreement on the transport of dangerous goods by rail

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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 Dam.	Serious eye damage							
Eye Irrit.	Eye irritation							
Flam. Liq.	Flammable liquid							
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

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 2.0 replaces the SDS version from 09.08.2021. Change of product composition.

More information

Classification procedure - calculation method.

### 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.