



according to Regulation (EC) No 1907/2006

157 Motor-Innenreiniger MP15700200Y

Print date: 22.06.2016

Product code: MP15700200Y

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cleaner

1.3. Details of the supplier of the safety data sheet

Company name:	TUNAP Deutschland Vertriebs GmbH & Co. Betriebs 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**

Indications of danger: Xn - Harmful
R phrases:
Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:
Serious eye damage/eye irritation: Eye Irrit. 2
Aspiration hazard: Asp. Tox. 1
Hazard Statements:
May be fatal if swallowed and enters airways.
Causes serious eye irritation.

2.2. Label elements**Hazard components for labelling**

Hydrocarbons, C12-C15, n-alkanes, iso-alkanes, cyclics, < 2 % aromates

Signal word: Danger
Pictograms: GHS07-GHS08

**Hazard statements**

H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.

Precautionary statements

P260 Do not breathe vapour.
P280 Wear Eye/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of Water and soap..



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P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P314 Get medical advice/attention if you feel unwell.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

No information available.

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

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
920-107-4	Hydrocarbons, C12-C15, n-alkanes, iso-alkanes, cyclics, < 2 % aromates	50 - < 100 %
64742-47-8	Xn - Harmful R65-66	
	Asp. Tox. 1; H304 EUH066	
01-2119453414-43		
271-529-4	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	1 - < 3 %
68584-23-6	Xi - Irritant R36	
	Eye Irrit. 2; H319	
272-028-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	1 - < 3 %
68649-42-3	Xi - Irritant, N - Dangerous for the environment R38-41-51-53	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411	
263-093-9	Sulfonic acids, petroleum, calcium salts	1 - < 3 %
61789-86-4	Xi - Irritant R36	
	Eye Irrit. 2; H319	
274-263-7	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	1 - < 3 %
70024-69-0	Xi - Irritant R36	
	Eye Irrit. 2; H319	

Full text of R, H and EUH phrases: see section 16.

Further Information

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

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

Provide fresh air.

After contact with skin

Wash with plenty of water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.



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Caution if victim vomits: Risk of aspiration!

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.

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

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn. Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

Use appropriate respiratory protection.

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**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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). Treat the recovered material as prescribed in the section on waste disposal.

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**

Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special measures are necessary.

Further information on handling

Avoid contact with skin and eyes.

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

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.



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7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****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. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses.
DIN EN 166

Hand protection

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

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..
Filtering device with filter or ventilator filtering device of type: A

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

Physical state:	liquid
Colour:	yellow-brown
Odour:	solvent like

Test method

pH-Value (at 20 °C):	not applicable
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Changes in the physical state

Melting point:	No information available.
Initial boiling point and boiling range:	200 °C
Sublimation point:	No information available.



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Softening point:	No information available.
:	No information available.
Flash point:	100 °C
Lower explosion limits:	1 vol. %
Upper explosion limits:	12 vol. %
Ignition temperature:	No information available.
Vapour pressure:	No information available.
Vapour pressure:	No information available.
Density (at 20 °C):	0,8425 g/cm ³ DIN 51757
Bulk density:	No information available.
Water solubility:	insoluble
Partition coefficient:	No information available.
Viscosity / dynamic:	No information available. DIN 53019-1
Viscosity / kinematic:	< 7 mm ² /s
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**

No information available.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharges.

10.5. Incompatible materials

Reacts with : Oxidizing agents.

10.6. Hazardous decomposition products

No information available.

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.



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Acute toxicity

CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
64742-47-8	Hydrocarbons, C12-C15, n-alkanes, iso-alkanes, cyclics, < 2 % aromates				
	oral	LD50 mg/kg	>5000	Rat	
	dermal	LD50 mg/kg	>5000	Rabbit	
	inhalative (4 h) aerosol	LC50	>5 mg/l	Rat	
68584-23-6	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts				
	oral	LD50 mg/kg	>5000	Rat	
	dermal	LD50 mg/kg	>5000	Rat	
	inhalative (4 h) aerosol	LC50	>5 mg/l	Rat	
68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts				
	oral	LD50	3100 mg/kg	Rat	
	dermal	LD50	5000 mg/kg	Rabbit	
61789-86-4	Sulfonic acids, petroleum, calcium salts				
	oral	LD50 mg/kg	>16000	Rat	
	dermal	LD50 mg/kg	>4000		
	inhalative (4 h) aerosol	LC50	>5 mg/l	Rat	
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts				
	oral	LD50 mg/kg	14900	Rat	
	dermal	LD50 mg/kg	>5000	Rabbit	
	inhalative (4 h) aerosol	LC50	>5 mg/l	Rat	

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Caution if victim vomits: Risk of aspiration!

Sensitising effects

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

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

Repeated exposure may cause skin dryness or cracking.

Has degreasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

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.



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Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No information available.

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

CAS No	Chemical name		Method	Dose	[h] [d]	Species	Source
	Aquatic toxicity						
64742-47-8	Hydrocarbons, C12-C15, n-alkanes, iso-alkanes, cyclics, < 2 % aromates						
	Acute fish toxicity	LC50	>100 mg/l	96 h		Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	>100 mg/l	72 h		Skeletonema costatum	
	Acute crustacea toxicity	EC50	>100 mg/l	48 h		Daphnia magna	
68584-23-6	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts						
	Acute fish toxicity	LC50	>10000 mg/l	96 h		Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	>1000 mg/l	96 h		Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	>1000 mg/l	48 h		Daphnia magna	
68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts						
	Acute fish toxicity	LC50	>1 mg/l	96 h		Brachydanio rerio (zebra-fish)	
	Acute algae toxicity	ErC50	>1 mg/l	96 h		Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	>1 mg/l	48 h		Daphnia magna	
61789-86-4	Sulfonic acids, petroleum, calcium salts						
	Acute fish toxicity	LC50	>10000 mg/l	96 h		Pimephales promelas	
	Acute algae toxicity	ErC50	>1000 mg/l	72 h		Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	>1000 mg/l	48 h		Daphnia magna	
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts						
	Acute fish toxicity	LC50	>10000 mg/l	96 h		Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	>1000 mg/l	72 h		Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	>10000 mg/l	48 h		Daphnia magna (Big water flea)	

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
64742-47-8	Hydrocarbons, C12-C15, n-alkanes, iso-alkanes, cyclics, < 2 % aromates	7,0

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.



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Further information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

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

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

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

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards



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ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

1999/13/EC (VOC): EU - CH 88

Additional information

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information**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 R phrases (number and full text)

- | | |
|----|---|
| 36 | Irritating to eyes. |
| 38 | Irritating to skin. |
| 41 | Risk of serious damage to eyes. |
| 51 | Toxic to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 65 | Harmful: may cause lung damage if swallowed. |
| 66 | Repeated exposure may cause skin dryness or cracking. |

Relevant H and EUH statements (number and full text)

- | | |
|--------|---|
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

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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.)