

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006, as amended by
Commission Regulation (EU) 2020/878

**PETROL INJECTION CLEANER-300ML**

Version 3.1	Revision date: 28.07.2023	Material Safety Data Sheet Number: 10613242-00013	Last issue date: 13.04.2023 Date of first issue: 30.11.2018
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**SECTION 1: Identification of the substance/mixture and of the company/
undertaking****1.1 Product Identification**

Trade name : GASOLINE INJECTION CLEANER-300ML

Product code : 5861111303

Unique Formula Identifier
(UFI) : 9692-R0Y6-4008-6GHR

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

Use of the substance or
mixture : Additive
Product for professional use

Recommended restrictions
for use : Does not apply

1.3 Details of the supplier of the safety data sheet

Business : Wurth Netherlands BV
The Zodiac Sign 35
5215 MK 's Hertogenbosch

Telephone : 073-629 19 11

fax : 073-629 19 22

Email address of person
responsible for the
SDS : prodsafe@wuerth.com

1.4 Emergency telephone number

National Poison Information Center: +31(0)88 755 8000.
Company telephone number for emergencies: 073 6291911

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters airways.

(Chronic) long-term aquatic hazard H412: Harmful to aquatic life

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term, Category 3

nismen, with long-lasting consequences.

2.2 Labeling elements**Labeling (REGULATION (EC) No 1272/2008)**

Hazard icons



Signal word : Danger

Hazard Statements : H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Additional hazard statements : EUH066 or Repeated exposure may cause dryness
cause skin cracking.

Safety Recommendations : **Prevention:**

P273 Avoid release to the environment.

Response:

P301 + P310 IF SWALLOWED: Immediately call a
POISON CENTER/doctor.

P331 Do NOT induce vomiting.

Storage:

P405 Store locked up.

Disposal: P501

Dispose of contents/ container to an approved waste disposal
facility.

Hazardous components that must be listed on the label:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hydrocarbons, C10-C13, aromatics, <1% naphthalene

2.3 Other Hazards

This substance/mixture does not contain any components considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018 /605 at level 0.1% or higher.

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Vapors may form explosive mixture with air.

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

Chemical name	CAS-No. EC-No. Index no. Registration No	Layout	Concentration (% w/w)
Hydrocarbons, C10-C13, n alkanes, isoalkanes, cyclics, <2% aromatics	Unassigned 01-2119457273-39	Asp. Tox. 1; H304 EUH066	>= 90 - <= 100
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	Unassigned 649-424-00-3 01-2119451097-39	STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 3; H412 EUH066	>= 2,5 - < 10
Polyolefin alkyl phenol alkyl amine Not assigned		Skin Irrit. 2; H315	>= 1 - < 10
Naphthalene	91-20-3 202-049-5 601-052-00-2	Flam. Sol. 2; H228 Acute Tox. 4; H302 Cargo. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M factor (Acute aquatic toxicity): 1 M-Factor (Chronic Aquatic Toxicity): 1 Acute Toxicity Estimates Acute oral toxicity: 553 mg/kg	>= 0,25 - < 1

For explanation of abbreviations see section 16.

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

- General advice : In the event of an accident or if you feel unwell, seek medical advice immediately.
If symptoms persist and in all cases of doubt seek medical attention.
- Protection of first-aiders : First responders should pay attention to self-protection and, if risk of exposure exists, use recommended personal protective equipment (see section 8).
- On inhalation : If inhaled, remove to fresh air.
Seek medical attention.
- In contact with skin : In case of contact with skin, rinse immediately with plenty of water.

Remove contaminated clothing and shoes.
Seek medical attention.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.
- In contact with eyes : Flush eyes with water as a precaution.
Get medical attention if irritation develops and persists.
- If swallowed : If swallowed, NEVER induce vomiting.
When vomiting, have the person bend over.
Call a physician or poison information center immediately.
Rinse mouth thoroughly with water.
Never allow an unconscious person to drink (or eat).

4.2 Most important symptoms and effects, both acute and delayed

- Hazards : May be fatal if swallowed and enters airways right.
Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

- Therapy : Provides symptomatic and supportive treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing Media**

- Suitable extinguishing media : water jet
Alcohol resistant foam
Carbon dioxide (CO₂)
Dry powder

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Unsuitable extinguishing media : Strong water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards in firefighting : Do not use a solid water stream as it may scatter and the fire can spread.
Return fire possible over a considerable distance.
Vapors may form explosive mixtures with air.
Exposure to combination products can be hazardous to health.

Hazardous combustion products : Carbon oxides
Nitrogen oxides (NOx)

5.3 Advice for firefighters

Special protective equipment for firefighters : In case of fire, wear a self-contained breathing apparatus. Use personal protective equipment.

Specific extinguishing methods : Use extinguishing media that is appropriate for the local area conditions and the environment.
Use water spray to cool unopened containers.
Remove undamaged container from fire area if safe to do so.

Evacuate.

SECTION 6: Accidental release measures of the substance or mixture**6.1 Personal precautions, protective equipment and emergency procedures**

Arrange personal precautions : Eliminate all sources of ignition.
Use personal protective equipment.
Follow advice on safe handling (see section 7) and recommendations on personal protective equipment (see section 8).

6.2 Environmental Precautions

Environmental precautions : Avoid release to the environment.
Prevent further leakage and spillage if safe to do so.
Avoid spreading over a large surface (e.g. by containment or oil traps).
Collect and dispose of contaminated cleaning water.
Local authorities should be notified in the event of significant spills that cannot be contained.

6.3 Containment and cleaning methods and materials

Cleaning methods : Use only non-sparking tools.
Soak up with inert absorbent material.
Knock down gases/vapours/mists using a water

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spray jet.

Proper barricades or other appropriate containments should be used for major spills to prevent material from spreading. If material can be pumped out, the collected material should be stored in appropriate containers.

Clean up residual materials from the spill with appropriate absorbents.

Local or national regulations may apply to spills or disposal of the material, as well as to the materials used in the clean-up operations. You must determine for yourself which regulations apply.

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling of the substance or mixture**

Technical measures : See Engineering measures under MEASURES section
FOR EXPOSURE CONTROL/PERSONAL PROTECTION.

Local/total exhaust ventilation : Use local exhaust if adequate exhaust is not available
available.

Advice on safe handling : Do not allow to come into contact with skin or clothing.

Avoid breathing vapor or mist.

Do not ingest.

Avoid contact with eyes.

Handle in accordance with good industrial hygiene and safe practice based on assessment of workplace exposure results

Keep container tightly closed.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.

Take measures against discharges of static electricity.

Prevent leakages and spreading in the environment and minimize the amount released.

Hygiene measures

: Provide eye wash facilities and safety showers immediate vicinity of the workplace if exposure to chemicals is likely during normal use. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse.

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7.2 Conditions for safe storage, including incompatibilities

Requirements for storage areas and containers : Store in properly labeled containers. Be locked behind. Keep tightly closed. Store in a cool and well-ventilated place. Store in accordance with relevant national regulations. Keep away from heat and sources of ignition.

Advice for mixed storage : Do not store with the following product types:
Strong oxidizing agents
Explosives
alloys

Storage time : 36 Mnd.

Learn more about storage stability : Do not expose to direct sunlight.
Keep away from heat.

7.3 Specific End Uses

Specific use : No data available

SECTION 8: Exposure controls/personal protection**8.1 Controleparameters****Occupational Exposure Limits**

Components	CAS-No.	Value type (Mode of exposure)	Controleparameters	Basis
hydrocollants, C10-C13, n alkanes, isoalkanes, cyclics, <2% aromatics	Not allowed being	TGG-8 hours (Mist)	5 mg/m ³	NL WG
hydrocarbons, C10-C13, aromatic ten, <1% naphthalene	Not allowed being	TGG-8 hours (Mist)	5 mg/m ³	NL WG
Naphthalene	91-20-3	TWO	10 ppm 50 mg/m ³	91/322/EEC
Further information: Indicative				
		TGG-8 hours	50 mg/m ³	NL WG
		TGG-15 min	80 mg/m ³	NL WG

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Stofnaam	End use	Exposure route	Possible health conditions	Value
hydrocarbons,	Workers Inhalation		Long term - sys-	151 mg/m ³

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C10-C13, aromaten, <1% naphthalene		thermal effects	
	Workers Skin contact	Long term - systemic effects	12.5 mg/kg bw/day
	Consumers Inhalation	Long term - systemic effects	32 mg/m ³
	Consumers Skin contact	Long term - systemic effects	7.5 mg/kg bw/day
	Consumers Ingestion	Long term - systemic effects	7.5 mg/kg bw/day
Naphthalene	Workers Inhalation	Long term - systemic effects	25 mg/m ³
	Workers Inhalation	Long term local effects	25 mg/m ³
	Workers Skin contact	Long term - systemic effects	3.57 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Stofnaam	middle compartment	Value
Naphthalene	Fresh water	2.4 µg/l
	Sea water	2.4 µg/l
	Intermittent use/intermittent emission	20 µg/l
	Sewage treatment plant	2.9 mg/l
	Freshwater deposition	0,0672 mg/kg
	Zeeafzetting	0,0672 mg/kg
	Soil	0,0533 mg/kg

8.2 Exposure controls**Technical measures**

Provide adequate ventilation, especially in enclosed areas.
Minimize exposure in the workplace.

Personal protective equipment

Eye/face protection : Wear the following personal protective equipment:
beschermbriil
The equipment must be in accordance with NEN EN 166

Hand protection
Material : Nitrilrubber
Breakthrough time : 60 min
Glove thickness : 0,35 mm
Protection index : Class 3

Comments : Choose gloves to avoid contact with the chemicals based on the concentration and amount of the hazardous substance in the workplace. It is advisable to discuss the chemical resistance of the above-mentioned protective gloves for special applications.

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with the glove manufacturer. Wash hands before breaks and
at the end of the working day.

Skin and body
protection

: Select the appropriate protective clothing based on
data on chemical resistance and an assessment of the potential
for local exposure.
Wear the following personal protective equipment:
Use flame retardant antistatic protective clothing if
evaluation shows a risk of explosive atmosphere or flash
fires.
Contact with the skin should be avoided by using
impermeable protective clothing (gloves, aprons, boots, etc.).

Respiratory protection

: Use respiratory protection if adequate local exhaust ventilation
is not available or exposure assessment indicates exposure
outside recommended guidelines.

The equipment must be in accordance with NEN EN 14387

Filter type

: Type of combined particles and organic vapor (AP)

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

Physical state

: liquid

Colour

: transparent

Odor

: characteristic

Odor threshold value

: No data available

Melting/freezing point

: No data available

Initial boiling point and boiling range : 160 °C

Flammability (solid, gas) : Not applicable

Flammability (liquids)

: Flammable (see flash point)

Upper explosion limit /
Upper flammability limit

: 7%(V)

Lower explosion limit /
Lower flammability limit

: 0.6%(V)

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Flash point	: 62 °C
Auto-ignition temperature	: > 200 °C
Analysis temperature	: No data available
pH	: Solvent mixture; pH value determination not possible, no aqueous solution
Viscosity	
Viscosity, kinematic	: 7 mm ² /s (40 °C)
Solubility	
Solubility in water	: insoluble
Partition coefficient: n octanol/water	: Does not apply
Steam tension	: 1 hPa (20 °C)
Density	: 0,80 g/cm ³ (20 °C)
Relative vapor density	: No data available
Particle characteristics	
Particle size	: Does not apply

9.2 Other Information

Explosive substances	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Evaporation rate	: No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Flammable liquid.

Vapors may form explosive mixture with air.
May react with strong oxidants.

10.4 Conditions to Avoid

Conditions to avoid : Heat, flames and sparks.

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10.5 Incompatible materials

Materials to avoid : Oxidants

10.6 Hazardous decomposition products

Hazardous decomposition products are not known.

SECTION 11: Toxicological information

11.1 Hazard class information as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure : Inhalation
Skin contact
Intake
Eye contact

Acute toxicity

Not classified based on available information.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 4.951 mg/m³
Exposure time: 4 h
Test atmosphere: vapours
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit): >= 3,160 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on data from similar materials

Hydrocarbons, C10-C13, aromatics, <1% naphthalene:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 4 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: Based on data from similar mate-

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rials

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402
Remarks: Based on data from similar materials

Naphthalene:

Acute oral toxicity : LD50 (Muis): 553 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 0.4 mg/l
Exposure time: 4 h
Test atmosphere: vapours
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2.500 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Components:**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Kind : Rabbit
Result : Mild skin irritation

Judgement : Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C10-C13, aromatics, <1% naphthalene:

Kind : Rabbit
Result : No skin irritation
Comments : Based on data from similar materials

Judgement : Repeated exposure may cause skin dryness or cracking.

Polyolefin alkyl fenol alkyl amine:

Result : Skin irritation

Naphthalene:

Kind : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

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Serious eye damage/irritation

Not classified based on available information.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Kind	: Rabbit
Method	: OECD Test Guideline 405
Result	: No eye irritation
Comments	: Based on data from similar materials

Hydrocarbons, C10-C13, aromatics, <1% naphthalene:

Kind	: Rabbit
Result	: No eye irritation
Comments	: Based on data from similar materials

Naphthalene:

Kind	: Guinea pig
Method	: OECD Test Guideline 405
Result	: No eye irritation

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Testtype	: Maximization test
Exposure route	: Skin contact
Kind	: Guinea pig
Result	: negative
Comments	: Based on data from similar materials

Hydrocarbons, C10-C13, aromatics, <1% naphthalene:

Testtype	: Maximization test
Exposure route	: Skin contact
Kind	: Guinea pig
Result	: negative
Comments	: Based on data from similar materials

Naphthalene:

Testtype	: Maximization test
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Exposure route : Skin contact
Kind : Guinea pig
Method : OECD Test Guideline 406
Result : negative

Germ cell mutagenicity

Not classified based on available information.

Components:**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Genotoxicity in vitro : Test type: Test for mutations of the genes of cells of mammals in vitro
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenic test)
Species: Mouse
Method of application: Ingestion
Result: negative

Germ cell mutagenicity-Assessment : Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Appendix VI, Part 3, Note P)

Hydrocarbons, C10-C13, aromatics, <1% naphthalene:

Genotoxicity in vitro : Test Type: Bacterial Reverse Mutation Assay (AMES)
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Naphthalene:

Genotoxicity in vitro : Test Type: Bacterial Reverse Mutation Assay (AMES)
Result: negative

Test type: In vitro chromosome aberration test
Result: positive

Genotoxicity in vivo : Test Type: Unscheduled DNA synthesis (UDS) assay with mammalian liver cells in vivo
Species: Rat
Method of application: Ingestion
Result: negative

Carcinogenicity

Not classified based on available information.

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Components:**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Kind	: Rat
Method of application	: inhalation (vapour)
Exposure time	: 105 weeks
Result	: negative
Comments	: Based on data from similar materials
Carcinogenicity - Judgement	: Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Appendix VI, Part 3, Note P)

Naphthalene:

Kind	: Rat
Method of application	: inhalation (vapour)
Exposure time	: 105 weeks
Result	: positive
Carcinogenicity - Judgement	: There is limited evidence based on animal testing carcinogenic effects.

Reproductive toxicity

Not classified based on available information.

Components:**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Effects on fertility	: Test Type: Screening Reproductive Toxicity Test ting/development Species: Rat Method of application: inhalation (vapor) Result: negative
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Effects on fetal development	: Test Type: Embryonic and Fetal Development Species: Rat Method of application: inhalation (vapor) Result: negative
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Naphthalene:

Effects on fetal development	: Test Type: Embryonic and Fetal Development Species: Rabbit Method of application: Ingestion Method: OECD Test Guideline 414 Result: negative
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STOT-single exposure

Not classified based on available information.

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Components:**Hydrocarbons, C10-C13, aromatics, <1% naphthalene:**

Judgement : May cause drowsiness or dizziness.
Comments : Based on data from similar materials

STOT on repeated exposure

Not classified based on available information.

Components:**Naphthalene:**

Exposure route : inhalation (vapour)
Judgement : No meaningful effects were observed in animal studies at concentrations of 1 mg/l/6 hours or less.

Repeated dose toxicity**Components:****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Kind : Rat
NOAEL : ≥ 1.000 mg/kg
Method of application : Ingestion
Exposure time : 54 days
Comments : Based on data from similar materials

Naphthalene:

Kind : Mouse
NOAEL : 133 mg/kg
Method of application : Ingestion
Exposure time : 90 days
Method : OECD Test Guideline 408

Kind : Rat
NOAEL : 0,011 mg/l
Method of application : inhalation (vapour)
Exposure time : 13 Weeks
Method : OECD Test Guideline 413

Kind : Rat
NOAEL : 300 mg/kg
Method of application : Skin contact
Exposure time : 13 Weeks
Method : OECD Test Guideline 411

Aspiration toxicity

Can be fatal if swallowed and enters airways.

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Components:**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

The substance or mixture is known to cause aspiration toxicity or should be considered as causing human aspiration hazard.

Hydrocarbons, C10-C13, aromatics, <1% naphthalene:

The substance or mixture is known to cause aspiration toxicity or should be considered as causing human aspiration hazard.

11.2 Information about other hazards**Endocrine disrupting properties****Product:**

Judgement : The substance/mixture does not contain any components considered to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018 /605 at level 0.1% or higher.

SECTION 12: Ecological information**12.1 Toxicity****Components:****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (regenboogforel)): > 1.000 mg/l
Exposure time: 96 h
Test substance: Water-adapted fraction
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (grote watervlo)): > 1.000 mg/l
Exposure time: 48 h
Test substance: Water-adapted fraction
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): > 1.000 mg/l
Exposure time: 72 h
Test substance: Water-adapted fraction
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

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NOELR (Pseudokirchneriella subcapitata (green algae)): 1,000 mg/l
Exposure time: 72 h
Test substance: Water-adapted fraction
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic Toxicity) : NOELR: > 1 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
Remarks: Based on data from similar materials

Hydrocarbons, C10-C13, aromatics, <1% naphthalene:

Toxicity to fish : LL50 (Oncorhynchus mykiss (regenboogforel)): > 1 - 10 mg/l
Exposure time: 96 h
Test substance: Water-adapted fraction
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (grote watervlo)): > 1 - 10 mg/l
Exposure time: 48 h
Test substance: Water-adapted fraction
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): > 1 - 10 mg/l
Exposure time: 72 h
Test substance: Water-adapted fraction
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

NOELR (Pseudokirchneriella subcapitata (green algae)): > 0.1 - 1 mg/l
Exposure time: 72 h
Test substance: Water-adapted fraction
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

Naphthalene:

Toxicity to fish : LC50 (Pimephales promelas (American thicket)): 6.08 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (gray watervlo)): 2.16 mg/l
Exposure time: 48 h

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animals	Method: OECD Test Guideline 202
Toxicity to algae/ aquatic plants	: EC50 (Skeletonema costatum (zeekiezelwier)): 0,4 mg/l Exposure time: 72 h
M factor (Acute aquatic toxicity)	: 1
Toxicity to microorganisms	: IC50 (Nitrosomonas sp.): 29 mg/l Exposure time: 24 h
Fish Toxicity (Chronic Toxicity)	: NOEC: 0.37 mg/l Exposure time: 40 d Species: Oncorhynchus kisutch (coho salmon)
Toxicity to daphnia and other aquatic invertebrates (Chronic Toxicity)	: NOEC: 0.59 mg/l Exposure time: 125 d Sort: Daphnia pulex (watermelon)
M factor (Chronic aquatic toxicity)	: 1

12.2 Persistence and degradability**Components:****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Biodegradability : Result: Readily biodegradable.

Biodegradation: 80 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
Remarks: Based on data from similar materials

Hydrocarbons, C10-C13, aromatics, <1% naphthalene:

Biodegradability : Result: Readily biodegradable.

Method: OECD Test Guideline 301F
Remarks: Based on data from similar materials

Naphthalene:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 2 %
Exposure Time: 4 Weeks
Method: OECD Test Guideline 302

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Contaminated packaging : Empty containers should be taken to an approved waste treatment center for reuse or disposal.
Empty containers contain residue and can be dangerous.
Do not apply pressure to these containers, including cutting, welding, soldering or braze, pierce, grind, or expose to heat, flame, spark, or other ignition source. They could explode and cause injury and/or death.

Discard as an unused product, if not otherwise specified.

Waste number: : The following waste codes are suggestions only:

used product
07 02 14, waste additives containing dangerous substances

unused product
07 02 14, waste additives containing dangerous substances

uncleaned packaging
15 01 10, packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information**14.1 UN Number or ID Number**

dna : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
THERE IT IS : Not regulated as a dangerous good

14.2 UN proper shipping name

dna : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
THERE IT IS : Not regulated as a dangerous good

14.3 Transport hazard class(es)

dna : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good

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IMDG : Not regulated as a dangerous good

THERE IT IS : Not regulated as a dangerous good

14.4 Packing group

dna : Not regulated as a dangerous good

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Freight) : Not regulated as a dangerous good

IATA (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a hazardous material

14.6 Special precautions for user

Does not apply

14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not applicable for product as supplied.

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Limitation conditions for the following dates must be considered:
Number on the list 75, 3
If you intend to use this product as a tattoo ink, please contact your supplier.

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). : Does not apply

Regulation (EC) no. 1005/2009 concerning ozone depleting substances : Does not apply

Regulation (EE) 2019/1021 on persistent organic pollutants (recast) : Naphthalene

The Netherlands. Substances of Very High Concern (ZZS list) : Naphthalene
Hydrocarbons, C10-C13, aromatics,
<1% naphthalene

Regulation (EC) No 649/2012 of the European Par- : Does not apply

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ment and the Council on the import and export of
dangerous chemicals

REACH - List of substances subject to authorization (Annex
XIV) : Does not apply

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-
accident hazards involving dangerous substances.
Does not apply

General Assessment Methodology (ABM)

Water hazard : Z1 Non-degradable substances with hazardous properties for humans and the
environment (carcinogenicity/mutagenicity/reprotoxicity/
bioaccumulative potential/toxicity or persistence).

Cleanup effort : WITH

Volatile organic compounds : Directive 2010/75/EU of the European Parliament and of the
Council of 24 November 2010 on industrial emissions
(integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 5.38 %

15.2 Chemical Safety Assessment

No chemical safety assessment has been performed.

SECTION 16: Other information

Other information : Items in which changes have been made from the previous version
are marked in the body of this document by two vertical lines.

Full text of the H statements

H228 : Flammable solid.
H302 : Harmful if swallowed.
H304 : May be fatal if swallowed and enters airways
right.
H315 : Causes skin irritation.
H336 : May cause drowsiness or dizziness.
H351 : Suspected of causing cancer.
H400 : Very toxic to aquatic life.
H410 : Very 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.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : (Acute) Short-term aquatic hazard

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Aquatic Chronic	: (Chronic) Long-term aquatic hazard
Asp. Tox.	: Aspiration hazard
Cargo.	: Carcinogenicity
flame. Sun.	: Flammable solids
Skin Irrit.	: Skin corrosion/irritation
STOT SE	: Specific target organ toxicity - single exposure
91/322/EEC	: Directive 91/322/EEC establishing an indicative limit became
NL WG	: Working conditions - Legal limit values
91/322/EEC / TWA	: Limits - 8 hours
NL WG / TGG-8 hours	: Time-weighted average - 8 hours
NL WG / TGG-15 min	: Time Weighted Average - 15 min

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for Testing of Materials; bw - body weight; CLP - Classification, Labeling and Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogenic, Mutagenic or Toxic to Reproduction; DIN -

Standard or the German Institute for Standardization; DSL - Indoor Substances List (Canada); ECHA - European Chemicals Agency; EC Number - EINECS number; ECx - Concentration associated with x% response; ELx - Load capacity associated with x% response; EmS - Emergency schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - Association for International Air Transport; IBC - International IMO Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC -

Inventory of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECL - Korea Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose to 50% of a test population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; nos - Not otherwise specified; NO(A)EC - No observable (adverse) effect on concentration; NO(A)EL - No discernible (negative) effect on Level; NOELR - No Observed Effect on Load Capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development OECD; OPPTS - Bureau of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure-Activity Relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH); RID - Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Inventory of Chemical Substances; TECL - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substance Control Act (US); UN - United Nations; vPvB - Very difficult to degrade and very bioaccumulative

Further information

Sources of basic information : Internal technical data, data from SDSs of

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on the basis of which the safety data sheet has been compiled

raw materials, search results from the eChem portal of the OECD and the European Chemicals Agency <http://echa.europa.eu/>

Classification of the preparation:

Asp. Tox. 1

H304

Aquatic Chronic 3

H412

Classification procedure:

Calculation method

Calculation method

The information contained in this Safety Data Sheet (SDS) is accurate to the best of our knowledge, information and belief as of the date of its publication. The information is made only as a guideline for the safe handling, use, processing, storage, transportation, disposal and release of the material and should not be construed as a warranty or quality specification of any kind whatsoever. The information provided relates only to the specific material identified at the top of this Material Safety Data Sheet (SDS) and may not be valid if the material of the Material Safety Data Sheet (SDS) is used in combination with other materials or in a particular process, unless this is also stated in the text.

Material users should review the information and recommendations in the specific context of their intended product handling, use, processing and storage, including an assessment of the material's Material Safety Data Sheet (SDS) in the end product of the user, if relevant.

NL / NL