

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



79071 Owatrol Oil

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Revised edition: 25.04.2016

Version: 18.1

Printed: 19.07.2016

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Owatrol Oil

Article No.: 79071

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Corrosion protection

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

H412

Cat.: 3

*Hazardous to the aquatic environment, hazard category 3
Harmful to aquatic life with long lasting effects.*

Classification according to EC Regulation No. 67/548 or No. 1999/45

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008

Hazard designation:

Signal word:

Hazard designation:

H412

EUH066

*Harmful to aquatic life with long lasting effects.
Repeated exposure may cause skin dryness or cracking.*

Safety designation:

P101

If medical advice is needed, have product container or label at hand.

Do not breathe dust.

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P260a	
P262	Do not get in eyes, on skin, or on clothing.
P273	Avoid release to the environment.
P301+P330+P331	If swallowed: Rinse mouth. Do not induce vomiting.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Hazardous Ingredients:

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclics, < 2% Aromatics (Xn; R65-66; Asp.Tox.1-H304-EUH066), REACH Reg. No. 01-2119457273-39	25 - 50 %	CAS-Nr: 64742-48-9 EINECS-Nr: 918-481-9 EC-Nr:
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Hydrocarbons, C10, Aromatics, < 1 % Naphthalene (GHS07-08-09; H304-336-411-EUH066); REACH Reg.No. 01.2119463583-34	2.5 - 10 %	CAS-Nr: EINECS-Nr: 918-811-1 EC-Nr:
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Additional information:

SVHC (Candidate List of Substances of very High Concern): The listed substances are not present in amounts greater than 0.1 % (w/w).

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air and keep patient calm.

After skin contact:

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.

After ingestion:

Rinse mouth with plenty of water and consult physician.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

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No information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, CO₂, dry extinguishing powder.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon monoxide and dioxide.

5.3. Advice for Firefighters

Protective equipment:

No special measures required.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, diatomaceous earth, universal absorbent, Oil Dri) and dispose accordingly.

Do not use water or other watery cleaning fluids.

6.4. Reference to other Sections

For information for safe handling see Section 7.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.

Hygienic measures:

Wash hands at the end of work. Preventive skin protection recommended.

Take off contaminated clothing immediately and reuse only after thoroughly cleaning these.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.

Storage temperature: 5 - 50°C

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Requirements for storage areas and containers:

*Store in containers which correspond to the original packaging.
Close open containers with care and store in an upright position to avoid spilling.
The floor has to be impermeable and form a collecting pan so that possible leaks do not contaminate the surrounding area.
Unsuitable container material: plastic*

Information on fire and explosion protection:

*Take measures to prevent static electricity discharge, earth/ground all equipment.
No information available.
Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.
Do not store together with: oxidants and acidic or alkali-containing products.*

Storage class (VCI):

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Adequate ventilation.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

*Required in case of insufficient ventilation (EN 143 or 149).
Recommended: filter P2 (white), A2 (brown) (EN 143, 149)*

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

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Protective glove material:

Nitrile rubber, polyvinyl chloride (480 min, > 0.45 mm)

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: *liquid*

Color: *amber colored*

Odor: *characteristic*

Odor threshold:
No information available.

pH-Value:
not determined

Melting temperature:
not known

Boiling temperature:

Flash point: *> 63°C*

Evaporation rate:
not applicable

Flammability (solid, gas):
not available

Upper explosion limit:
no information available

Lower explosion limit:
no information available

Vapor pressure:
not determined

Vapor density: *> 1*

Density: *< 1 g/cm³*

Solubility in water: *insoluble*

Coefficient of variation (n-Octanol/Water):
no information available

Auto-ignition temperature:
not applicable

Decomposition temperature:
not applicable

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Viscosity, dynamic: > 20.5 mm²/s (40°C)

Explosive properties:
not available

Oxidizing properties:
no information available

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

No information available.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

*Decomposes when heated.
Exothermic reaction with water.*

10.4. Conditions to Avoid

Conditions to avoid:

*Avoid humidity.
Avoid heat.*

Thermal decomposition:

10.5. Incompatible Materials

Water

10.6. Hazardous Decomposition Products

In case of fire: formation of carbon oxides, nitrogen oxides and other toxic gases

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Hydrocarbons, C10, aromatics, < 1% naphthalene: > 5000 mg/kg (rat; OECD 401)

Hydrocarbons, C10-C13, N-Alkanes, Isoalkanes, cyclics, <2%

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aromatics: > 5000 mg/kg (rat; OECD 401)

LD50, dermal:

Hydrocarbons, C10, aromatics, < 1% naphthalene: > 2000 mg/kg (rabbit; OECD 402)

Hydrocarbons, C10-C13, N-Alkanes, Isoalkanes, cyclics, <2% aromatics: > 5000 mg/kg (rabbit; OECD 402)

LC50, inhalation:

Hydrocarbons, C10, aromatics, < 1% naphthalene: 4688 mg/l (rat; OECD 403)

Hydrocarbons, C10-C13, N-Alkanes, isoalkanes, cyclics, <2% aromatics: > 5000 mg/kg (rat; OECD 403)

Primary effects

Irritant effect on skin:

Prolonged/repeated contact may cause defatting of the skin which may cause dermatitis.

Irritant effect on eyes:

Splashes can cause eye irritation and reversible damage to the eye.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No information available.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No reproductive toxicity expected.

Cancerogenity:

No cancerogenic effect known.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

Inhalation: Long-term overexposure by breathing the vapors of the solvent contained by product may cause irritation of the mucous membrane and respiratory tract and may have negative effects on kidneys, liver and the central nervous system.

Symptoms: Headache, dizziness, nausea, tiredness, muscle pains, unconsciousness.

12. Ecological Information

12.1. Aquatic Toxicity

Toxic for aquatic organisms. In the long-term, it has negative

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effects on the aquatic environment.

Fish toxicity:

Hydrocarbons, C10-C13, N-Alkanes, Isoalkanes, cyclics, <2% aromatics: LC50: 1000 mg/kg (96h, Oncorhynchus mykiss)

Daphnia toxicity:

Hydrocarbons, C10, aromatics, < 1% naphthalene: EC50 < 10 mg/l (48h, Daphnia magna)

Hydrocarbons, C10-C13, N-Alkanes, Isoalkanes, cyclics, <2% aromatics: EC50: 1000 mg/l (48h, Daphnia magna)

Bacteria toxicity:

No data available.

Algae toxicity:

Hydrocarbons, C10, aromatics, < 1% naphthalene: EC50: 11 mg/l (72h, Pseudokirchneriella subcapitata)

Hydrocarbons, C10-C13, Isoalkanes, cyclic, <2% aromatic: EC50 (Akute): > 1000 mg/l (72h, Pseudokirchneriella subcapitata)

12. 2. Persistency and Degradability

Hydrocarbons, C10, aromatics, < 1% naphthalene: not readily biodegradable

Hydrocarbons, C10-C13, N-Alkanes, Isoalkanes, cyclics, <2% aromatics: readily biodegradable

12. 3. Bioaccumulation

No information available.

12. 4. Mobility

*Contains volatile components which spreads in the air.
Contains a solid phase.*

12. 5. Results of PBT- und vPvP Assessment

This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).

12. 6. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

Further ecological effects:

Do not let product enter waterways or sewage system.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

150110 - Packaging containing residues of or contaminated by dangerous substances.

080111 - Waste paint and varnish containing organic solvents or

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other dangerous substances

Uncleaned packaging:

Packaging may be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

15. Regulatory Information

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15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water (German Regulation)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

No information available.

15. 3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.