

Safety Data Sheet

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



70150 Terpeneol

Page 1

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

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

1.1. Product Identifier

Product Name: Terpeneol

Article No.: 70150

UFI: --

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

Identified uses:
Binding agent for aliphates soluble varnishes.

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.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

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

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

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

H315 Skin irritation, hazard category 2

Cat.: 2 Eye irritation, hazard category 2

H319 Causes skin irritation.

H319 Causes serious eye irritation.

Cat.: 2

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

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

Hazard designation:



GHS07-1

Signal word:

next page: 2

Safety Data Sheet

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



70150 Terpeneol

Page 2

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

Warning

Hazard designation:

H315	Causes skin irritation.
H319	Causes serious eye irritation.

Safety designation:

P264	Wash thoroughly after handling.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P332+P313	If skin irritation occurs: Get medical attention.
P337+P313	If eye irritation persists: Get medical advice/ attention.
P362+P364	Take off contaminated clothing and wash before reuse.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Limonen; Dipenten; Cineol (H226-304-315-317-400-410); REACH Reg.-Nr. 01-2119493353-35-xxxx	0.1 - 0.25 %	CAS-Nr: 138-86-3 EINECS-Nr: 205-341-0 EC-Nr:
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Terpeneol; REACH Reg. No.: 01-2119553062-49-0015	> 99.9%	CAS-Nr: 8000-41-7 EINECS-Nr: 232-268-1 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes immediately.

After inhalation:

Take affected person to fresh air.
Get medical help.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.
If symptoms persist, consult a physician.

After eye contact:

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

After ingestion:

next page: 3

Safety Data Sheet

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



70150 Terpeneol

Page 3

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a 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:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide, extinguishing powder, sand, water spray.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Formation of hazardous combustion gases or vapors possible in the event of fire.

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:

Ensure adequate ventilation.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (e.g. sand, acid binder, universal binder, sawdust) and collect in appropriate containers for disposal.

6.4. Reference to other Sections

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.

Keep containers tightly closed.

next page: 4

Safety Data Sheet

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



70150 Terpeneol

Page 4

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

Hygienic measures:

Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

No special measures required.

Requirements for storage areas and containers:

Information on fire and explosion protection:

No special measures necessary.

Storage class:

10; Combustible liquids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

No occupational exposure limits known.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

No further measures, see Section 7.

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. Do not inhale gas/fumes/vapor/aerosol.

Respiratory protection:

Required in case of insufficient ventilation (EN 143 or 149).

Hand protection:

Protective gloves

Protective glove material:

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

next page: 5

Safety Data Sheet

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



70150 Terpeneol

Page 5

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>colorless</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>not determined</i>
<i>Melting temperature:</i>	<i>not applicable</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>90°C</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not available</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>0.934 g/cm³</i>
<i>Solubility in water:</i>	<i>not miscible</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not available</i>
<i>Explosive properties:</i>	

next page: 6

Safety Data Sheet

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



70150 Terpeneol

Page 6

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

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:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

No information available.

10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

No toxicity expected.

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

Causes skin irritation.

next page: 7

Safety Data Sheet

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



70150 Terpeneol

Page 7

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

Irritant effect on eyes:

Causes serious eye irritation.

Inhalation:

No information available.

Ingestion:

Sensitization:

Non sensitizing.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Repeated exposure: Not classified based on available information.

Single exposure: Not classified based on available information.

Aspiration hazard:

No risk of aspiration.

11.2. Information on other Hazards

No further information available.

12. Ecological Information

12.1. Aquatic Toxicity

No toxicity expected.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

Not applicable.

12.6. Endocrine Disrupting Properties

No data available.

12.7. Other Adverse Effects

Water hazard class:

next page: 8

Safety Data Sheet

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



70150 Terpeneol

Page 8

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

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:

In accordance with current regulations, product has to be taken to a special waste disposal site, after consultation with site operator and/or with the responsible authority. Product may not be burned.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

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 / DOT (US) (land transportation).

IMDG/IATA:

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

next page: 9

Safety Data Sheet

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



70150 Terpeneol

Page 9

Revised edition: 22.11.2020

Version: 3

Printed: 30.01.2024

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Maritime Transport in Bulk according to IMO Instruments

14. 8. Further Information

15. Regulatory Information

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:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 3

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15. 3. Further Information

RoHS Directive 2011/65/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHs): not listed.

Regulation (EU) No. 2019/1148, Annex I - Restricted Explosives Precursors (upper limit value for the purpose of licensing under Article 5(3)): None of the ingredients is listed.

VOC Content: 99.92 %

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.