

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

Identification of the Product

Product Name: Citrus Turpentine
Article No.: 70100
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstrasse 41-47, D 88317 Aichstetten
Tel/Fax: Tel +49 7565 91120, Fax +49 7565 1606
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de
Emergency No.: +49 7565 91120, Mon-Fri 8:00 - 17:00

2. Hazard Identification

Designation according to EC Regulation No.1272/2008

GHS Classification Flammable liquids, category 3
Aspiration hazard, category 1
Hazardous to the aquatic environment, acute category 1
Hazardous to the aquatic environment, chronic category 1
Skin irritation, hazard category 2
Skin sensitization, hazard category 1

Hazard designation:



GHS09



GHS07



GHS08



GHS02

Signal word:

Danger

Hazard designation:

H410 Very toxic to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.
H226 Flammable liquid and vapour.

Safety designation:

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P243 Take precautionary measures against static discharge.
P331 Do not induce vomiting.
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.

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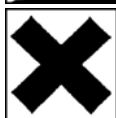
Safety designation: P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P261 Avoid breathing dust/fume/gas/ mist/vapours/spray.
P301+P310 If swallowed: Immediately call a poison center or physician.

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

Hazard designation:



N Hazardous to the environment



Xn Harmful

Risk Phrases: R43 May cause sensitization by skin contact.
R50 Very toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: May cause lung damage if swallowed.
R38 Irritating to skin.
R10 Flammable.

Safety Phrases: S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S61 Avoid release to the environment. Refer to special instructions / Safety data sheets.
S24 Avoid contact with skin.
S37 Wear suitable gloves.

3. Composition/Information on Ingredients

Hazardous Ingredients: Citrus turpentine (Xn,N; R10-38-43-50/53-65) 100 %
CAS-Nr: 8028-48-6 EINECS-Nr: 232-433-8 EC-Nr:

4. First Aid Measures

After inhalation: Supply fresh air. Consult physician if symptoms persist.
Give artificial respiration in case breathing is not regular or if it has stopped.

After skin contact: Remove contaminated clothing. Wash off immediately with plenty of water and soap.
If irritation continues consult a physician.

After eye contact: Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.

After ingestion: Rinse mouth with water and drink plenty of water.
Do not induce vomiting. Consult physician immediately.

Information for physician: If vomiting occurs after ingestion, aspiration into the lungs can occur which can cause a chemical pneumonia or suffocation.

5. Fire-Fighting Measures

Suitable extinguishing media: Water mist, extinguishing powder, foam, carbon dioxide.
Fight larger fire with water jet or alcohol resistant foam.

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Unsuitable extinguishing media:	Water with full jet.
Protective equipment:	Wear self-contained respiratory protective device and full protective gear.
Special hazards:	Combustible. Fumes can form an explosive mixture with air. In case of fire: formation of carbon monoxide and dioxide.
Further information:	Cool exposed containers with water spray. Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

6. Accidental Release Measures

Personal precautions:	Wear appropriate protective equipment. Keep spectators away. Provide adequate ventilation. Keep away from sources of ignition. Avoid contact with eyes and skin. Do not inhale aerosol/fumes/vapors.
Environmental precautions:	Prevent contamination of soils, drains and surface water. Contact local authorities if product pollutes soil or vegetation.
Methods of cleaning/absorption:	Larger amounts should be pumped into adequate containers. Contain with absorbent material (sand, diatomaceous earth, universal absorbent, Oil Dri) and dispose accordingly.

7. Handling and Storage

Handling

Instructions on safe handling:	Keep containers tightly closed. Provide adequate ventilation. Protect against heat and direct sunlight.
Information on fire and explosion protection:	Combustible liquids. Vapors in combination with air can form an explosive compound. Keep away from sources of ignition - do not smoke. Take measures to prevent electricity static discharge.

Storage

Storage conditions:	Store containers in a well ventilated location. Store in tightly sealed containers in a dry and cool room. Protect against heat.
Requirements for storage areas and containers:	Store in a room with a solvent-proof floor.
Storage compatibility:	Do not store together with: oxidants.
Storage class (VCI):	3: Flammable liquids

8. Exposure Controls/Personal Protection

Technical protective measures:	Provide adequate ventilation.
Components with workplace control parameters (Germany):	none

Personal protective equipment

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General protective measures:	Remove contaminated clothing immediately. Do not inhale gas/fumes/vapor/aerosol. Avoid contact with eyes and skin. 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:	Respiratory equipment required in case of insufficient ventilation, filter combination type A-P2.
Hand protection::	Protective gloves Protective gloves should be changed regularly, especially after intensive contact with the product. Each work area must have adequate protective gloves.
Protective glove material:	PVC, rubber.
Eye protection:	Tightly fitting safety goggles.
Body protection:	Protective clothing, chemical resistant.

9. Physical and Chemical Properties

Form:	liquid
Color:	colorless
Odor:	orange-like
Boiling temperature:	175-179°C
Flash point:	ca. 46-51°C
Ignition temperature:	255°C
Explosion risk:	Product is not explosive; however, an explosive vapor/air mixture can be formed.
Lower explosion limit:	0.7 Vol. %
Upper explosion limit:	6.1 Vol. %
Density:	0.83 - 0.86 g/ml
Solubility in water:	practically insoluble

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided:	Thermal decomposition. No decomposition if used according to specifications.
Substances to be avoided:	Strong acids and strong oxidizing agents.
Hazardous decomposition products:	In case of fire: formation of carbon oxides and other toxic gases and vapors.

11. Toxicological Information

Acute toxicity

LD50, oral:	> 5700 mg/kg (rat)
LD50, dermal:	> 2000 mg/kg (rabbit)

Primary effects

Irritant effect on skin:	Causes skin and mucous membrane irritation.
Irritant effect on eyes:	Irritating

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Ingestion:	Small amounts which can intrude the lungs after swallowing or by aspiration after vomiting, can cause a pulmonary edema or pneumonia.
Sensitization:	May cause sensitization by skin contact.
Further toxicological effects:	Repeated or long-term contact with the product can cause drying of the skin.

12. Ecological Information

Mobility and Bioaccumulation:	Product floats on water.
<i>Ecological effects</i>	
Aquatic toxicity:	:
- Daphnia toxicity:	EC50: 34.1 mg/l (Daphnia magna)
Further ecological effects:	Do not let product enter waterways or sewage system. Very toxic for water organisms.
<i>Further information</i>	
Water hazard class:	1

13. Disposal Considerations

Product:	Dispose of according to official national and local regulations.
Uncleaned packaging:	Do not puncture, cut or weld uncleaned drums.

14. Transport Information

Road Transportation ADR/RID

Class:	3
Packaging group:	III
UN No.:	2319
Classification code:	F1
Tunnel No.:	D/E
Hazard No.:	3
Correct technical name:	TERPENE HYDROCARBONS, N.O.S. (Orange terpene)

Sea transportation

IMDG/GGVSee Class:	3
Packaging group:	III
UN No.:	2319
EmS No.:	F-E, S-D
Hazard No.:	3
Marine pollutant:	P
Correct technical name:	TERPENE HYDROCARBONS, N.O.S. (Orange terpene)

Air transportation

ICAO/IATA Class:	3
Packaging group:	III
UN No.:	2319
Hazard No.:	3

Revised edition: 24.11.2010

Correct technical name: TERPENE HYDROCARBONS, N.O.S. (Orange terpene)

15. Regulatory Information

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

Employment restrictions: The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline (94/85/EEC) are to be observed.
The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.

Technical instructions on air quality: 5.2.5.: Other organic substances.

Water hazard class: 1, slightly hazardous for water

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.