

Safety data sheet

according to UK REACH

Printing date 31.07.2024

Version number 1.2

Revision: 31.07.2024

1 Identification of the substance/mixture and of the company/undertaking

Product identifier
Trade name: Tannin Spot Remover

Article number: 6602

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

No further relevant information available.

Application of the substance / the mixture

Surface cleanser

Details of the supplier of the safety data sheet
Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
 Affhüppen Esch 12
 D-48231 Warendorf
 Germany

Further information obtainable from:

 Product safety department
 Tel.: +49 (0) 251 / 692 - 188
 Fax: +49 (0) 251 / 692 - 462
 e-mail: helmut.starp@osmo.de

Emergency telephone number:

 Members of the public seeking specific information on poisons should contact:
 In England and Wales: NHS 111 - dial 111
 In Scotland: NHS 24 - dial 111
 emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

Importer

 Importer for UK:
 OSMO UK,
 Smeaton Close
 Unit 24 Anglo Business Park
 Aylesbury, Bucks HP19 8UP
 Phone: 01296 481 220, www.osmouk.com
 United Kingdom

2 Hazards identification

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonised System (GHS).

Additional information:

For the wording of the listed hazard phrases refer to section 16.

Label elements
Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

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Additional information:	P102 Keep out of reach of children.
	P262 Do not get in eyes, on skin, or on clothing.
Other hazards	EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
	EUH210 Safety data sheet available on request.
Results of PBT and vPvB assessment	Protect metals (e.g. fittings) and plants from direct contact (e.g. cover useful and ornamental plants with painters' foil).
	Observe the general safety regulations when handling chemicals.
PBT:	Not applicable.
vPvB:	Not applicable.

3 Composition/information on ingredients

Chemical characterisation: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 144-62-7 EINECS: 205-634-3 Index number: 607-006-00-8	oxalic acid ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312	2.5-7.5%
CAS: 55965-84-9 Index number: 613-167-00-5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) ⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6% Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025–<0.0015%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

Description of first aid measures

General information:	Immediately remove any clothing soiled by the product.
After inhalation:	In case of unconsciousness place patient stably in side position for transportation.
After skin contact:	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

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After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Drink plenty of water and provide fresh air. Call for a doctor immediately.
Information for doctor:	
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

5 Firefighting measures

Extinguishing media	
Suitable extinguishing agents:	Use fire extinguishing methods suitable to surrounding conditions.
For safety reasons unsuitable extinguishing agents:	Water with full jet
Special hazards arising from the substance or mixture	No further relevant information available.
Advice for firefighters	
Protective equipment:	No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away. Wear protective clothing.
Environmental precautions:	Dilute with plenty of water.
Methods and material for containment and cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Dispose of the material collected according to regulations. Use neutralising agent. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
Reference to other sections	No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

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7 Handling and storage

Handling:

Precautions for safe handling When diluting always pour product into water and not vice versa.
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
 Avoid contact with skin and eyes.

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Avoid contact with the eyes and skin.

Information about fire - and explosion protection:

No special measures required.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:

Unsuitable material for receptacle: aluminium.
 Unsuitable material for receptacle: steel.
 Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from oxidising agents.
 Store away from reducing agents.

Further information about storage conditions:

Protect from frost.
 Keep container tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.

Storage class:

12

Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

Control parameters
Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Oral	DNEL Verbraucher (Langzeit - systemische Effekte)	0.09 mg/kgKG/Tag
	DNEL Verbraucher (AKUT - systemische Effekte)	0.11 mg/kgKG/Tag

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Inhalative	DNEL Arbeitnehmer (Langzeit - lokale Effekte)	0.02 mg/m ³
	DNEL Verbraucher (Langzeit - lokale Effekte)	0.02 mg/m ³

PNECs
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

PNEC sea water	0.00339 mg/l
PNEC fresh water	0.0039 mg/l
PNEC sediment (fresh water)	0.027 mg/kg
PNEC sediment (sea water)	0.027 mg/kg
PNEC soil	0.01 mg/kg

Additional information: The lists valid during the making were used as basis.

Exposure controls
Personal protective equipment:
General protective and
hygienic measures:

Do not eat or drink while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 Do not eat, drink, smoke or sniff while working.
 Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes and skin.
 Immediately remove all soiled and contaminated clothing

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 Not necessary if room is well-ventilated.

Protection of hands:

Check protective gloves prior to each use for their proper condition.
 Preventive skin protection by use of skin-protecting agents is recommended.
 Protective gloves
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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**For the permanent contact
gloves made of the following
materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

For the mixture the penetration time has to be at least 480 minutes
(Permeation according to EN 374 Part 3: Level 6).

**As protection from splashes
gloves made of the following
materials are suitable:**

Nitrile rubber, NBR

Eye protection:

Tightly sealed goggles

Body protection:

Acid resistant protective clothing

Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid**Colour:** Light**Odour:** Mild**Odour threshold:** Not determined.**pH-value at 20 °C:** 1-2

Change in condition

Melting point/freezing point: 0 °C**Initial boiling point and boiling range:** ≥ 100 °C (7732-18-5 water, distilled, conductivity or of similar purity)**Flash point:** Not applicable.**Flammability (solid, gas):** Not applicable.**Decomposition temperature:** Not determined.**Ignition temperature:** Product is not selfigniting.**Explosive properties:** Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.**Upper:** Not determined.**Vapour pressure at 20 °C:** 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)**Density at 20 °C:** 1.005–1.034 g/cm³ (DIN 51757)**Relative density** Not determined.

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Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic at 20 °C:	120–160 mPas
Solvent content:	
VOC (EC)	0.0 g/l
VOCV (CH)	0.00 %
Other information	
	No further relevant information available.

10 Stability and reactivity

Reactivity	No further relevant information available.
Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:		
144-62-7 oxalic acid		
Oral	LD50	375 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rat)
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		
Oral	LD50	64 mg/kg (rat)

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Dermal	LD50	78 mg/kg (rabbit)
Inhalative	LC50 / 4h	0.33 mg/l (rat)

Primary irritant effect:**Skin corrosion/irritation** Strong caustic effect on skin and mucous membranes.**Serious eye damage/irritation** Strong caustic effect.**Respiratory or skin****sensitisation** No sensitising effects known.**Subacute to chronic toxicity:** Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity**Aquatic toxicity:**
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

EC50 / 48h	0.16 mg/l (Daphnia magna)
LC50 / 96h	0.19 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
Biolog. Abbaubarkeit	>60 %

Persistence and degradability No further relevant information available.**Behaviour in environmental systems:****Bioaccumulative potential**
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

log POW ≤0.71–0.75

Mobility in soil No further relevant information available.**Ecotoxicological effects:****Behaviour in sewage processing plants:**
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

EC50 7.9 mg/l (activated sludge organism)

Additional ecological information:**General notes:**

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Results of PBT and vPvB assessment**PBT:** Not applicable.

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vPvB:

Not applicable.

Other adverse effects

No further relevant information available.

13 Disposal considerations

Waste treatment methods**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

14 Transport information

UN-Number**ADR, IMDG, IATA**

Not applicable

UN proper shipping name**ADR, IMDG, IATA**

Not applicable

Transport hazard class(es)**ADR, ADN, IMDG, IATA****Class**

Not applicable

Packing group**ADR, IMDG, IATA**

Not applicable

Environmental hazards:**Marine pollutant:**

No

Special precautions for user

Not applicable.

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

Not applicable.

UN "Model Regulation":

Not applicable

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture**GHS label elements**

Void

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

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Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P262 Do not get in eyes, on skin, or on clothing.

Directive 2012/18/EU**Named dangerous****substances - ANNEX I**

None of the ingredients is listed.

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H310 Fatal in contact with skin.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H330 Fatal if inhaled.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS:

product safety department

Contact:

Hr. Dr. Starp

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route
 (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 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)
 VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)
 VOC: Volatile Organic Compounds (USA, EU)
 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 2: Acute toxicity – Category 2
 Skin Corr. 1C: Skin corrosion/irritation – Category 1C
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Skin Sens. 1A: Skin sensitisation – Category 1A

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Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

ECHA Portal

Sources

*** Data compared to the
previous version altered.**

GB