

# EU Safety Data Sheet

# FESTOOL

1907/2006/REACH

**Trade name** FESTOOL - Outdoor Oil

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## 1 Designation of the material and/or preparation and the company

**Trade name** Outdoor Oil  
Type no. 233

**Use** Wood impregnation, outdoor

**Manufacturer/Supplier** Festool GmbH  
Wertstrasse 20  
73240 Wendlingen  
Germany  
Tel: +49/(0)7024/ 8 04-0  
Fax: +49/(0) 7024/ 8 04-20608

**Responsible for the Safety Data Sheet** E-mail contact: info@tts-festool.com

**Emergency telephone line** +49/(0)7024/ 8 04-0

## 2 Possible risks

**Classification** Not subject to mandatory labelling as per Directive 1999/45/EC and Ordinance on Hazardous Substances (GefahrStoffV).

**Dangers to people** Repeated contact may lead to brittle or cracked skin. Do not induce vomiting. Consult a doctor immediately and produce the packaging or this label.  
Wear a dust mask when sanding.  
Contains cobalt octoate - may cause allergic reactions.  
Contains iodine propynyl butyl carbamate - may trigger allergic reactions.

**Environment** The product itself is not spontaneously combustible. Risk of spontaneous combustion of cloths, abrasive dust, sanding pads, etc. soaked with product.  
Solvent can evaporate at high temperatures and form mixes that are capable of ignition at or above the flash point.

**Classification system** The classification corresponds to the current EU lists and is supplemented by specialist literature, as well as company specifications.

## 3 Composition/Information on the components

**Description** Mix of linseed oil, ricin oil/wood oil/stand oil, wood oil/stand oil, titanium dioxide, iodine propynyl butyl carbamate, Co/Zr/Zn/Mn drying agents.

Chemical designation	CAS No.	EINECS No.	%	Classification	R sets
Cobalt carboxylate	68409-81-4	270-066-5	< 0.5	Xn	R 22-38-43
Zinc onium octoate	18312-04-4	242-197-8	< 0.5	Xi	R 38
Manganese carboxylate	18551-42-8		< 0.5	Xi	R 38
Zinc carboxylate	68551-44-0	271-378-4	< 0.5	Xn, N	R 38, 50/53
Iodine propynyl butyl carbamate	55406-53-6	259-627-5	<1	Xn, N	R 20/22, R 41-50

## 4 First Aid

**General information** Long exposure may cause skin irritation.

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**After inhalation** Bring the affected person out into fresh air! Consult a doctor in the case of symptoms or complaints.

**After skin contact** Remove the dirty clothing. Wash the affected body parts with soap and water.

**After eye contact** Rinse well-opened eyelids (approx. 10 - 15 m) with plenty of water  
 Consult a doctor in the case of lasting symptoms or complaints.

**After swallowing** Do not induce vomiting. Consult a doctor immediately and produce the packaging or label.

## 5 Fire-fighting measures

**Suitable extinguisher** Foam, spray water or mist. Dry powder extinguisher, carbon dioxide, sand or earth extinguishers can only be used for small fires. Do not direct extinguishing water into the water network.

**For safety reasons** Water jet.

**Unsuitable extinguishers**

**Special protective equipment** Do not inhale fumes from explosions or fires. If necessary, wear an inhalation mask..

**Additional information:** Cool hazardous containers with a water spray jet. Carbon monoxide may be released in the case of incomplete combustion

## 6 Measures for unintentional release

**Personal precautionary measures** Avoid inhaling the vapours. Ensure there is sufficient ventilation. Avoid contact with released material. Remove contaminated clothing immediately.

**Environment protection measures** Do not allow material to enter the sewage, water or ground water network.

**Procedure for cleaning/absorption** Clean using a liquid-absorbent material. Sand, diatomaceous earth, universal absorbent, sawing chips. Please also observe point 2

## 7 Handling and storage

**Information for safe handling** The usual precautionary measures for handling paint must be observed. Ensure there is good ventilation or extraction at the workplace. Avoid contact with the skin and eyes. Smoking, eating and drinking are not permitted at the workplace. For information on personal protective gear see 8.

**Information on fire and explosion protection** Stay clear of the ignition source. Avoid spark formation. Do not smoke. Observe the general rules of the preventative fire protection requirements. Electrostatic charges may be produced during pumping. Secure the current flow by earthing all devices.

**Requirements for storage rooms and containers** Observe country-specific requirements for the storage of materials with slight water hazards.

**Mixed storage** Store separately from oxidants. In particular, check the permissibility of storage with other materials.

**Other information on the storage conditions** Protect against heat and direct sunlight.

**Storage class**

**Classification i.a.w. VCI/VbF**

## 8 Exposure limit and personal protective gear

### Occupational exposure limits

CAS No.	Designation of the material	Limit	Type
64741-65-7	Isoalkane group	600 mg/m <sup>3</sup>	TRGS 900

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**Additional information****General protection and hygiene**

The usual precautionary measures for handling chemicals must be observed.  
 Wash hands before eating, drinking, smoking and using the toilet.

**Personal protective gear****Inhalation mask**

Wear an inhalation mask with filter type A in the case of insufficient ventilation or extraction.

**Hand protection**

Wear solvent-resistant gloves (checked i.a.w. EN 374).

**Eye protection**

Thick protective goggles, eye wear (EN 166)

**Body protection**

Wear the prescribed protective clothing. Wear protective overalls when spraying.

**9 Physical and chemical properties**

<b>Paint</b>	Light brown, milky
<b>Form</b>	Liquid
<b>Smell</b>	Mild, after oils and resin
<b>Change of state</b>	
<b>Melting point/Melting range</b>	n.b.
<b>Boiling point/Boiling range</b>	Solvent begins to boil > 180 °C
<b>Flash point</b>	> 61 °C
<b>Ignition temperature</b>	> 400 °C
<b>Self-ignition</b>	The product itself is not spontaneously combustible. There is a risk of spontaneous combustion due to the linseed oil content in the case of wet cleaning cloths, adsorbent agents and abrasive dust that is not fully dried, for example; absence of oxygen and light.
<b>Risk of explosion</b>	The product is not explosive. However, it may lead to the formation of vapour/air mixtures that are explosive.
<b>Explosion limits</b>	Upper: 7,0 Vol % Lower: 0,6 Vol %
<b>Vapour pressure</b>	at 20°C: < 1 mbar
<b>Solidification range</b>	n.b.
<b>pH value</b>	n.a
<b>Density</b>	approx. 0,86 g/cm <sup>3</sup> at 20 °C
<b>Solubility in water</b>	Insoluble
<b>Viscosity</b>	DIN 3 mm > 32 sec at 20°C

**10 Stability and reactivity**

<b>Hazardous reactions</b>	Stable under normal conditions of use
<b>Avoidable conditions</b>	Avoid heat, radio communication, open fire and other radio sources.
<b>Avoidable materials</b>	Strong oxidants
<b>Hazardous decomposition products</b>	No hazardous decomposition products known when used for its intended purpose. The thermal decomposition is largely dependent on the external conditions. A complex mix of carbon monoxide, carbon dioxide and other organic compounds, among others, are formed when this material is burned or thermally or oxidatively fitted.

**11 Information on toxicology**

<b>Basis for evaluation</b>	The information stated is based on examinations of the product and/or similar products and/or components.
<b>Acute oral toxicity</b>	Practically not toxic (estimated): LD50 > 2000 mg/kg, rat.

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<b>Acute dermal toxicity</b>	Practically not toxic (estimated): LD50 > 2000 mg/kg, rat.
<b>Acute inhalation toxicity</b>	Minor toxicity: LC50 greater than almost saturated vapour concentration / 4 h, rat.
<b>Irritation</b>	
<b>After inhalation</b>	Vapour concentrations above the recommended occupational reference value cause irritation to the eyes and respiratory passage. Headaches, dizziness and damage to the central nervous system can also be caused.
<b>After skin contact</b>	May cause a moderate skin irritation. Material has astringent properties and long or repeated contact with the skin should be avoided as this may lead to dermatitis.
<b>After eye contact</b>	Not irritable on eyes. May cause slight eye complaints but no damage to the eye tissue
<b>After swallowing</b>	Minor quantities which are taken into the lungs during swallowing or vomiting may cause oedema of the lungs or pneumonia.
<b>Sensitisation</b>	No sensitisation by skin contact known
<b>Carcinogenicity</b>	No proof
<b>Mutagenicity</b>	No proof of mutagenic activity.
<b>Reproduction and development toxicity</b>	No proof of development damage

## 12 Information on ecology

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<b>Acute toxicity</b>	
<b>Fish</b>	Not toxic up to the limit of water solubility: LC/EC/IC50 > 1000 mg/l
<b>Aquatic organisms</b>	Toxicity: LC/EC/IC50 > 1000 mg/ml
<b>General information</b>	Do not allow material to enter the sewage, water or ground water network. Channel sewage containing the product over an oil/fat separator. The organic components are biologically degradable. Contains components that are slightly hazardous to water in accordance with water hazard class 1.

## 13 Information on disposal

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<b>Disposal information</b>	Hazardous waste incinerator: The official local regulations on disposal must be observed. Well-set paint: Domestic waste
<b>Waste key number</b>	08 01 12
<b>Unwashed packaging, recommendation</b>	Dispose of in accordance with official regulations. Packaging must ideally be emptied. It can then be recycled after appropriate cleaning.

## 14 Information on transport

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<b>ADR/RID</b>	No hazardous materials in the sense of the transport regulations
<b>Class</b>	
<b>Packaging group</b>	
<b>Classification code</b>	
<b>Hazard warning label no.</b>	
<b>UN no.</b>	
<b>Hazard warning label (main hazard)</b>	
<b>Technical designation</b>	
<b>IMDG</b>	No hazardous materials in the sense of the transport regulations

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**UN no.**

**Technical designation**

**Class/Category**

**Packaging group**

**Marine pollutant**

**IATA** No hazardous materials in the sense of the transport regulations

**UN no.**

**Technical designation**

**Class/Category**

**Packaging group**

## 15 Regulations

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The information on statutory regulations does not claim to be complete.

**Designation in accordance with EEC Directives and Ordinance on Hazardous Substances (GefStoffV/EU)**

**EU classification** The product is not subject to mandatory labelling as per EU Directives and Ordinance on Hazardous Substances (GefahrStoffV/EU).

**EU hazard symbol** The usual precautionary measures for handling chemicals must, however, be observed.

**R sets**

**S sets** Keep away from children!

**Special designation** Contains cobalt carboxylate - may trigger allergic reactions.

Wear a dust mask when sanding.

Contains iodine propynyl butyl carbamate - may trigger allergic reactions.

**ChemVOCFarbV** 1 g/l (limit 01.01.2010: 700 g/l)

**Category** f

**National regulations**

**Classification i.a.w. VCI/VbF**

**Water hazard class** Water hazard class 1

**GISCODE** Ö 10

## 16 Other information

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The information is based on our current knowledge and experience. There are no contractual assurances provided with regard to the quality properties of the product and no legal relationship is established.

All previous information becomes invalid with the issue of this Safety Data Sheet.

Date sheet of the issuing area

Department: Product Management/Standardisation