

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: DO670 Jordan Deco-Object-Oil 670
Print date: 12.07.2019 Revision date: 12.07.2019 14300 EN
Version: 1.14 Issue date: 12.07.2019 Page 1 / 10

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

1.1. Product identifier

Article No. (manufacturer/supplier) DO670
Trade name/designation Jordan Deco-Object-Oil 670

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

Relevant identified uses
parquet oil

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

PLANTAG Coatings GmbH
Plantagenweg 34-38 05231/6002-0
32758 Detmold 05231/6002-10
info@plantag.de
www.plantag.de

Dept. responsible for information:

Product Safety Department 7:30 a.m. - 4:45 p.m. Christin Seier
E-mail (competent person) +49 (0) 5231 / 6002673
c.seier@plantag.de
Ralf Hachmeister
+49 (0) 5231 / 6002671
r.hachmeister@plantag.de

1.4. Emergency telephone number

Germany 0800-181-7059
USA/Canada 1-800-424-9300
Outside USA/Canada +001 703 527 3887
China 4001 204937 (Mandarin)
Hong Kong 800 968 793 (Cantonese)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Hazard statements

not applicable

Precautionary statements

not applicable

Hazard components for labelling

not applicable

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains phthalic anhydride. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description alkyd resin preparation

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EC No. CAS No. INDEX No.	REACH No. Designation classification: // Remark	Wt %
920-901-0 246538-78-3	01-2119456810-40 Hydrocarbons, C11-C13, isoalkanes, <2% aromatics Asp. Tox. 1 H304	20 < 25
918-167-1	01-2119472146-39 Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / Aquatic Chronic 4 H413	20 < 25
292-460-6 90622-58-5	01-2119480162-45 Alkanes, C11-15-iso- Flam. Liq. 3 H226 / Asp. Tox. 1 H304	2,5 < 5
918-481-9 1174522-09-8	01-2119457273-39 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1 H304	1 < 2,5
205-249-0 136-51-6	01-2119978297-19 calcium bis(2-ethylhexanoate) Eye Dam. 1 H318 / Repr. 2 H361	< 0,5
245-018-1 22464-99-9	01-2119979088-21-0000 2-ethylhexanoic acid, zirconium salt Repr. 2 H361	< 0,5

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.
Change contaminated, saturated clothing.
Remove affected person from the danger area and lay down.
Do not leave affected person unattended.
In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation

Remove casualty to fresh air and keep warm and at rest.
In case of irregular breathing or respiratory arrest provide artificial respiration.
Call a physician immediately.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.
Call a physician immediately.
Wash contaminated clothing prior to re-use.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye.
Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm.
Do NOT induce vomiting.
Show this safety data sheet to the doctor in attendance.
Never give anything by mouth to an unconscious person or a person with cramps.
If unconscious place in recovery position and seek medical advice.

Self-protection of the first aider

No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

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First Aid, decontamination, treatment of symptoms.

Symptoms

May irritate eyes.

May irritate skin.

Danger

Self-protection of the first aider

Special treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

In case of fire may be liberated: carbon dioxide, carbon monoxide, smoke.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Cool closed containers that are near the source of the fire.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours.

Avoid contact with eyes and skin.

See protective measures under point 7 and 8.

Keep away from sources of ignition - No smoking.

Handle in accordance with good industrial hygiene and safety practice.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and after work.

Take off immediately all contaminated clothing.

Remove contaminated clothing and wash it before reuse.

Guarantee that the eye flushing systems and safety showers are closely located to the working place.

Materials soiled with product such as cleaning rags, tissues and protective clothing, may ignite spontaneously a few hours later.

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To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water.
Do not put any product-impregnated cleaning rags into your trouser pockets.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden.
Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.
Keep away from: Acids, Alkali (lye), Oxidizing agent, Reducing agent.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden.
Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

Alkanes, C11-15-iso-

EC No. 292-460-6 / CAS No. 90622-58-5

WEL, TWA: 1200 mg/m³

Remark: (> or = C7, Normal and branched chain alkanes)

WEL, TWA: 800 mg/m³

Remark: (> or = C7, Cycloalkanes)

Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

DNEL:

2-ethylhexanoic acid, zirconium salt

EC No. 245-018-1 / CAS No. 22464-99-9

DNEL long-term dermal (systemic), Workers: 15,75 mg/kg

DNEL long-term inhalative (systemic), Workers: 5 mg/m³

DNEL long-term oral (repeated), Consumer: 7,9 mg/kg

DNEL long-term dermal (systemic), Consumer: 7,9 mg/kg

DNEL long-term inhalative (systemic), Consumer: 2,5 mg/m³

PNEC:

2-ethylhexanoic acid, zirconium salt

EC No. 245-018-1 / CAS No. 22464-99-9

PNEC aquatic, freshwater: 0,36 mg/l

PNEC aquatic, marine water: 0,036 mg/l

PNEC sediment, freshwater: 6,37 mg/kg

PNEC sediment, marine water: 0,637 mg/kg

PNEC, soil: 1,06 mg/kg

PNEC sewage treatment plant (STP): 71,7 mg/l

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

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For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)
Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear eye glasses with side protection according to EN 166.
Do not wear contact lenses.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.
Handle in accordance with good industrial hygiene and safety practice.
Wear suitable protective clothing.
When using do not eat, drink or smoke.
Keep away from food, drink and animal feedingstuffs.
Guarantee that the eye flushing systems and safety showers are closely located to the working place.
Avoid contact with skin, eyes and clothes.
Remove contaminated clothing and wash it before reuse.

Environmental exposure controls

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.
See section 7. No additional measures necessary.
If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties *

Appearance:

Physical state: Liquid
Colour: white

Odour: characteristic

Odour threshold: not determined

pH at 20 °C: not determined

Melting point/freezing point: not applicable

Initial boiling point and boiling range: 170 °C

Source: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Flash point: > 60 °C

Method: ASTM D 7094a

Evaporation rate: not determined

flammability

Burning time (s): not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: 0,5 Vol-%

Source: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Upper explosion limit: 7 Vol-%

Source: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Vapour pressure at 20 °C: 0,7 mbar

Source: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Vapour density: not determined

Relative density:

Density at 20 °C: 0,89 g/cm³

Solubility(ies):

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Water solubility (g/L) at 20 °C: insoluble
Partition coefficient: n-octanol/water: see section 12
Auto-ignition temperature: 210 °C
Source: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
Decomposition temperature: not determined
Viscosity at °C: 28-32 s 4 mm
Explosive properties: not applicable
Oxidising properties: not applicable

9.2. **Other information**

Solid content (%): 47,47 Wt %
solvent content:
Organic solvents: 52,25 Wt %
Water: 0,28 Wt %

SECTION 10: Stability and reactivity

10.1. **Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. **Chemical stability**

The product is stable under storage at normal ambient temperatures.

Further remarks: SECTION 7: Handling and storage

10.3. **Possibility of hazardous reactions**

No known hazardous reactions.

10.4. **Conditions to avoid**

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. **Incompatible materials**

Oxidizing agent, Reducing agent, Acids, Alkali (lye)

10.6. **Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

No data on preparation itself available.

11.1. **Information on toxicological effects**

Acute toxicity

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

oral, LD50, Rat: > 5000 mg/kg

Method: OECD 401

dermal, LD50, Rat: > 2000 mg/kg

dermal, LD50, Rabbit: > 5000 mg/kg

inhalative (vapours), LC50, Rat: > 4951 mg/l (4 h)

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

oral, LD50, Rat: > 5000 mg/kg

Method: OECD 401

By analogy.

dermal, LD50, Rabbit: > 5000 mg/kg

Method: OECD 402

By analogy.

inhalative (vapours), LC50, Rat: > 5000 mg/l (4 h)

By analogy.

2-ethylhexanoic acid, zirconium salt

oral, LD50, Rat: 2043 mg/kg

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

oral, LD50, Rat: 5000 mg/kg

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Method: OECD 401
By analogy.
dermal, LD50, Rabbit: 5000 mg/kg
Method: OECD 402
By analogy.

Alkanes, C11-15-iso-
oral, LD50, Rat: 5000 mg/kg
Method: OECD 401
By analogy.
dermal, LD50, Rabbit: 5000 mg/kg
Method: OECD 402
By analogy.

Skin corrosion/irritation; Serious eye damage/eye irritation

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
Skin, Rabbit (4 h)
Method: OECD 404
slightly irritant; By analogy.
eyes, Rabbit
Method: OECD 405
No eye irritation; By analogy.

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Skin, Rabbit
Method: OECD 404
mild irritant.; By analogy.

Alkanes, C11-15-iso-
eyes, Rabbit
Method: OECD 405
No eye irritation; By analogy.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

STOT-single exposure; STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience/human evidence

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]
There is no information available on the preparation itself .
Do not allow to enter into surface water or drains.

12.1. Toxicity

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 1000 mg/l (96 h)
Method: OECD 203
By analogy.
Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 1000 mg/l (48 h)
Method: OECD 202
By analogy.
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 1000 mg/l (72 h)
Method: OECD 201
By analogy.

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

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Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 1000 mg/l (96 h)

Method: OECD 203

By analogy.

Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 1000 mg/l (48 h)

Method: OECD 202

By analogy.

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 1000 mg/l (72 h)

Method: OECD 201

By analogy.

Alkanes, C11-15-iso-

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 1000 mg/l (96 h)

Method: OECD 203

By analogy.

Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 1000 mg/l (48 h)

Method: OECD 202

By analogy.

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 1000 mg/l (72 h)

Method: OECD 201

By analogy.

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Biodegradation: 31,3 % (28 d)

Method: OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D

Not readily biodegradable (according to OECD criteria)

Alkanes, C11-15-iso-

Biodegradation: 77,6 % (28 d)

Method: OECD 301 F

Readily biodegradable.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Do not dispose of with domestic refuse.

List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 08 01 11

Appropriate disposal / Package

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

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SECTION 14: Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

- 14.1. **UN number** not applicable
- 14.2. **UN proper shipping name**
- 14.3. **Transport hazard class(es)** not applicable
- 14.4. **Packing group** not applicable
- 14.5. **Environmental hazards**
Land transport (ADR/RID) not applicable
Marine pollutant not applicable
- 14.6. **Special precautions for user**
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8
- Further information**
- Land transport (ADR/RID)**
tunnel restriction code -
- Sea transport (IMDG)**
EmS-No. not applicable
- 14.7. **Transport in bulk according to Annex II of Marpol and the IBC Code**
not applicable

SECTION 15: Regulatory information

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- EU legislation**
- Directive 2010/75/EU on industrial emissions**
VOC-value (in g/L): 470,108
- National regulations**
- Restrictions of occupation**
- 15.2. **Chemical Safety Assessment**
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Full text of classification in section 3:

Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Aquatic Chronic 4 / H413	Hazardous to the aquatic environment	May cause long lasting harmful effects to aquatic life.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging the unborn child.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging

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CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

* Data changed compared with the previous version