



Europe GmbH

# Safety Data Sheet

according to (EG) 1907/2006

ORACAL® Pre-Wrap Surface Cleaner

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Version 2.0

Date of issue: 16.08.2013

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

### 1.1 Product identifier

Product name

ORACAL® Pre-Wrap Surface Cleaner

Chemical name and synonym

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

Identified uses:

Surface Cleaner

### 1.3 Details of the supplier of the safety data sheet

Supplier

Orafol Europe GmbH

Orafolstraße 2

16515 Oranienburg

Germany

Tel.: + 49 03301 864 0

Fax.: + 49 03301 864 100

### 1.4 Emergency telephone number

Information Centre for symptom of poisoning berlin Tel.: + 49 030 19 240

## 2. Hazard identification.

### 2.1 Classification of the substance or mixture

**Classification 67/548/EEC**

F, Xi, R11, R36, R67

**Classification (EC) No 1272/2008**

Physical and Chemical Hazards

Human health

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT 3 H336

The Full Text for all R Phrases and Hazards Statements are Displayed in Section 16.

**2.2 Label elements  
67/548/EEC**

Label



R - Phrases

R11

R36

R67

Highly flammable.

Irritating to eyes.

Vapours may cause drowsiness and dizziness.

**(EC) No 1272/2008**

Label



Signal word

danger

Hazard Statements

H225

H319

H336

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness

Precautionary Statements

P210

P233

P243

P261

P264

P271

P280

P303+P361+P353

P304+P340

P305+P351+P338

P337+P313

P370+P378

P403+P233

P501

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Keep container tightly closed.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash ... thoroughly after handling..

Use only outdoors or in a well – ventilated area

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use water for extinction.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container to ...

### 2.3 Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## 3. Composition/Information on Ingredients

### 3.2 Mixtures

Hazardous Ingredients

Product name / CAS-No.	Classification 67/548/EEC	Classification (EC) No 1272/2008	Substance
2-Propanol; Isopropylalkohol; Isopropanol / 67-63-0	F, Xi, R11,36, 67	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	>30 %

The Full Text for all R Phrases and Hazards Statements are Displayed in Section 16.

## 4. First aid measures

### 4.1 Description of first aid measures

General	If unconscious place in recovery position. Remove the affected individual from the area.
Inhalation	Remove victim immediately from source of exposure. Provide rest, warm and fresh air.
Ingestion	Do not induce vomiting. Rinse out the mouth with water, and then drink a plenty of water. Get medical attention immediately.
Eye contact	Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention.
Skin contact	Wash immediately with plenty of water. Remove contaminated clothing and shoes. After cleaning use a cream.

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

For symptoms and effects caused by contained substances and see chap 11.

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

After ingestion: Symptoms and effects could occur: Nausea, Vomiting, Unconsciousness.

## 5. Extinguishing media

### 5.1 Extinguishing media

#### Extinguishing media

Extinguishers with foam, carbon dioxide, dry powder, or water spray/mist.

#### Unsuitable extinguishing media

Do not use water jet as this can spread the fire.

### 5.2 Special hazards arising from the substance or mixture

Fire creates toxic and irritating fumes and vapours.

Hazardous combustion products Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>) and nitrogen oxide. The vapour is heavier than air and may travel a considerable distance to a source of ignition and flashback.

### 5.3 Advice for fire-fighters

Protective equipment for fire-fighters

Self-contained breathing apparatus and protective clothing must be worn in case of fire.

Special Fire Fighting Procedures

Containers close to the fire area should be cooled with water if safe to do so. Do not release chemically contaminated water into drains, soil or surface water. Remove product out of danger area.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use protective clothing and equipment as described in section 8 of this datasheet. Isolate all sources of ignition. Provide adequate ventilation. Avoid ingestion, inhalation of vapours and contact with skin and eyes. Avoid heat, flames, sparks and static discharge.

### 6.2 Environmental precautions

Avoid unauthorised discharge to the environment.

Do not discharge into drains, water courses or onto the ground.

### 6.3 Methods and material for containment and cleaning up

Isolate all ignition sources. Avoid heat, flames, sparks and static discharge. NO SMOKING.

Dam and absorb spillages with suitable inert absorbent material.

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4 Reference to other sections

Refer to sections 8 and 13 for additional information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists. Do not eat, drink or smoke when handling. Do not use in confined spaces without adequate ventilation

and/or respirator.

Static electricity and formation of sparks must be prevented. Eliminate all sources of ignition.

## 7.2 Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from heat and flames. Avoid all ignition sources. Store in area with adequate ventilation and sufficient air movement to prevent any build up of vapours. Store away from heat, direct sunlight and moisture. Store away from basic and acids agents. If stored at normal room temperature (approximately till 30°C).

## 7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Ingredients with occupational exposure limits to be monitored to German guidelines TRGS 900 from 01/2006.**

WEL = Workplace Exposure Limit.

MAK= Maximum Concentration Value at the workplace.

**Ethanol** (64-17-5) WEL 500 ml/m<sup>3</sup> or. 960 mg/m<sup>3</sup>

**Propan-2-ol** (67-63-0) WEL 200 ml/m<sup>3</sup> or. 500 mg/m<sup>3</sup>

### 8.2 Exposure controls

#### Occupational exposure controls

Avoid inhalation of vapours, dust, fume or mist. Avoid eye contact. Use in area with adequate ventilation and sufficient air movement or use Respiratory filter. Wash hands during breaks and at the end of the work. After cleaning use a cream.

#### Personal protective equipment

##### Respiratory protection

Use an approved respirator if a risk assessment indicates this is necessary.

Respiratory filter (gas) : A

##### Hand protection

Use chemical protection gloves when handling the product. Gloves should conform to EN 374. Penetration time depend on material and thickness of the material.

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

Wear suitable gloves: Butyl rubber, Nitrile rubber, Polyvinyl alcohol, Fluor rubber.

## Eye protection

Avoid contact with eyes. Use safety glasses.

## Skin protection

Avoid contact with the skin. Skin protection is not necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Appearance

Form	liquid
Colour	clear
Odour	alcohol

#### Safety and environmental information

pH value	not applicable
Boiling point	80 °C
Melting point	<-90 °C
Freezing point	no information available
Flash point	12 °C
Ignition temperature	425 °C
Explosion limits	
	lower explosive limit 2 V%
	upper explosive limit 12 V%
Vapour pressure	54 mbar (20 °C)
Density	0,80 g/cm <sup>3</sup> (20 °C)
Solubility in water	mixable
Viscosity	no information available
Vapour density	no information available
Evaporation rate	no information available

### 9.2 Other information

All available information about the substance has been included in section 9.1.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.4 Conditions to avoid

Avoid sources of heat and ignition. Avoid direct sunlight and moisture. Avoid storage with incompatible materials. During use explosive/ high flammable vapor/air mixture could accrue.

## 10.5 Incompatible materials

Strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Potential acute health effects

##### Acute toxicity

2-Propanol; Isopropylalkohol; Isopropanol (67-63-0)

oral	LD50	4570 mg/kg	Spezies	rat
dermal	LD50	13400 mg/kg	Spezies	rab.
Inhalativ	LC50	30 mg/kg	Spezies	rat

##### Eye contact

Splash in the eyes could causes serious eye damage.

##### Skin contact

Moderately Irritating to skin, swelling, redness and dryness is possible after repeated or prolonged contact.

##### Inhalation

Could cause: narcotic effect / flush.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

2-Propanol; Isopropylalkohol; Isopropanol

#### Acute Toxicity – Fish

LC50: >100 mg/l (96h) Spezies: Leuciscus idus

#### Acute Toxicity - Microorganisms

ERC50: >100 mg/l (72h) Spezies: Scenedesmus subspicatus

#### Acute Toxicity – Aquatic Invertebrates

EC50 >100 mg/l (48h) Spezies: Daphnia magna

### 12.2 Persistence and degradability

Abiotic degradation in air.

### 12.3 Bio accumulative potential

There are no data available on the preparation itself.

### 12.4 Mobility in soil

There are no data available on the preparation itself.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product

Dispose of or incinerate in accordance with corresponding regulations.

Code of waste pursuant to European Council Directive on waste: **140603** WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08) other solvents and solvent mixtures.

Uncleaned packagings:

Code of waste pursuant to European Council Directive on waste: **150102** packaging (including separately collected municipal packaging, plastic packaging).

#### Disposal of uncleaned packagings and recommend cleaning agent

Water with tenside . After discharging and cleaning uncleaned packagings could use again.

### 14. TRANSPORT INFORMATION

#### 14.1. UN number

UN No. (ADR/RID/ADN)	1987
UN No. (IMDG)	1987
UN No. (ICAO)	1987

#### 14.2. UN proper shipping name

ALCOHOLS, (Ethanol, Isopropyl alcohol)

#### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	Class 3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	



#### 14.4. Packing group

ADR/RID/ADN	Packing group III
IMDG	Packing group III
ICAO	Packing group III

### 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed.

#### Labelling in accordance with EC directives

The product is classified and labeled in accordance with EC directives / Ordinance on Hazardous Materials (GefStoffV)

Information to VOC-Directive:

Volatile organic compound (VOC) in weight %: 100





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### National regulations (Germany)

Water Hazard Class: WGK 1 slightly hazardous for water (according VwVwS)

Statutory order on hazardous incidents: 7b.

Rule for storing (TRGS 510) : 3.

### 15.2 Chemical Safety Assessment

No information available.

## 16. OTHER INFORMATION

General information

This datasheet is not intended to be a replacement for a full risk assessment; these should always be carried out by competent persons.

### Full text of the products listed in Chapters 2 and 3 R-Phrases

R11	Highly flammable.
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.

### Full text of the products listed in Chapters 2 and 3 Hazard Statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

### General Information

The instructions are based on today's information and knowledge. The safety data sheet describes products in relation to safety requirements. These instructions do not assure application technological properties of the product.