

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

# RIGO

## VERFFABRIEK

Trade name : ROYL Oil 2K Clear  
Revision date : 22.04.2020  
Print date : 01-05-2020

Version (Revision) : 1.2.0 (1.1.0)

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

### 1.1 Product identifier

ROYL Oil 2K Clear

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

#### Relevant identified uses

Wood oil

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

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

RIGO Verffabriek BV

**Street :** Dokweg 40

**Postal code/city :** 1976 CA IJmuiden

**Information contact :** Safety, Health & Environment: she@rigoverffabriek.nl

### 1.4 Emergency Telephone Number:

+31 (0)255 548448 (Office hours 08:00 - 16:30 GMT +1) Outside office hours: call a Poison Center or doctor/physician.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

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

None

### 2.2 Label elements

None

### 2.3 Other hazards

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting self-closing lids, or laid out flat in a single layer to dry, or placed in a closed metal container soaked with water. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

**Hazardous ingredients**

None

**Components according to regulation (EG) Nr. 648/2004**

perfumes

< 5 %

## SECTION 4: First aid measures

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

### 4.1 Description of first aid measures

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## Following inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.

## In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. Do not use solvents or diluting agents for skin cleaning. When in doubt or if symptoms are observed, get medical advice.

## After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

## After ingestion

Rinse mouth thoroughly with water. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting. When in doubt or if symptoms are observed, get medical advice.

## Self-protection of the first aider

First aider: Pay attention to self-protection!

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

No information available.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Sand

#### Unsuitable extinguishing media

Strong water jet

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

Heating causes rise in pressure with risk of bursting. Hazardous combustion products Carbon monoxide Carbon dioxide (CO<sub>2</sub>) (dense) black smoke, Organic acids aldehydes.

### 5.3 Advice for firefighters

Do not allow run-off from fire-fighting to enter drains or water courses. Cool endangered containers with water in case of fire. Wear a self-contained breathing apparatus and chemical protective clothing.

## SECTION 6: Accidental release measures

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

See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Use appropriate container to avoid environmental contamination. Keep away from sources of ignition - No smoking.

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

Prevent leaks and prevent soil / water pollution caused by leaks. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

### 6.4 Reference to other sections

SECTION 8: Exposure controls/personal protection SECTION 13: Disposal considerations

## SECTION 7: Handling and storage

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Take care for general good hygiene and housekeeping.

## 7.1 Precautions for safe handling

Protective measures Personal protection equipment: see section 8 When using do not eat, drink, smoke, sniff. Wash hands before eating, drinking or smoking. Immediately remove any contaminated clothing, shoes or stockings.

### Protective measures

#### Measures to prevent fire

No sparking tools should be used. Remove all sources of ignition. With finely divided hot particles, there is a risk of self-ignition. For example, the product contained in, for example, sawdust, clothing or insulation material may catch fire spontaneously. Keep fireproof, if contained in special oil absorbers or in clothing (risk of self-ignition). Avoid flammable, open flames.

## 7.2 Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Always close containers tightly after the removal of product. Never use pressure to empty container. Keep container tightly closed and in a well-ventilated place. Keep only in the original container at temperature not exceeding 40 °C.

### Further information on storage conditions

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Appropriate engineering controls

Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

#### Personal protection equipment

##### Eye/face protection

###### Suitable eye protection

Eye glasses with side protection.

##### Skin protection

Only wear fitting, comfortable and clean protective clothing.

###### Hand protection

Suitable gloves type Protective gloves according to DIN EN 374 NBR (Nitrile rubber) Thickness > 0,35 mm; Breakthrough time (maximum wearing time) > 480 min. NR (natural rubber, natural latex) Thickness > 0,5 mm; Breakthrough time (maximum wearing time) > 480 min. CR (polychloroprene, chloroprene rubber) Thickness > 0,35 mm; Breakthrough time (maximum wearing time) > 480 min. Check protective gloves before each use concerning their normal condition.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Colour :** Light-brown.

**Odour :** Noticeable.

#### Safety characteristics

**Physical state :**

Liquid

**Melting point/freezing point :**

not relevant

**Freezing point :**

not relevant

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<b>Initial boiling point and boiling range :</b>		No data available
<b>Decomposition temperature :</b>		No data available
<b>Lower explosion limit :</b>		No data available
<b>Upper explosion limit :</b>		No data available
<b>Density - dependent of color:</b>	( 20 °C )	0,94 - 0,95 g/cm <sup>3</sup>
<b>Bulk density :</b>		No data available
<b>Relative density :</b>	( 20 °C )	0,94 - 0,94 (Water = 1)
<b>Water solubility :</b>	( 20 °C )	No data available
<b>log P O/W :</b>		No data available
<b>Cinematic viscosity :</b>	( 40 °C )	No data available
<b>Odour threshold :</b>		No data available
<b>Relative vapour density :</b>	( 20 °C )	No data available
<b>Vapourisation rate :</b>		No data available
<b>Flammable solids :</b>		Not applicable.
<b>Flammable gases :</b>		Not applicable.
<b>Oxidising liquids :</b>		Not relevant.
<b>Explosive properties :</b>		Not relevant.

**9.2 Other information**

None

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No information available.

**10.2 Chemical stability**

No information available.

**10.3 Possibility of hazardous reactions**

No information available.

**10.4 Conditions to avoid**

No information available.

**10.5 Incompatible materials**

No information available.

**10.6 Hazardous decomposition products**

No information available.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Acute oral toxicity**

No information available.

**Acute dermal toxicity**

No information available.

**Acute inhalation toxicity**

No information available.

**Corrosion**

**Skin corrosion/irritation**

No information available.

**Serious eye damage/eye irritation**

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No information available.

**Irritation to respiratory tract**

No information available.

**Respiratory or skin sensitisation**

**Skin sensitisation**

No information available.

**Sensitisation to the respiratory tract**

No information available.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Carcinogenicity**

No information available.

**Germ cell mutagenicity**

No information available.

**Reproductive toxicity**

No information available.

**STOT-single exposure**

No information available.

**STOT-repeated exposure**

No information available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

No information available.

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects**

No information available.

**12.7 Additional ecotoxicological information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations**

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

**13.1 Waste treatment methods**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport information**

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**14.1 UN number**

No dangerous good in sense of these transport regulations.

**14.2 UN proper shipping name**

No dangerous good in sense of these transport regulations.

**14.3 Transport hazard class(es)**

No dangerous good in sense of these transport regulations.

**14.4 Packing group**

No dangerous good in sense of these transport regulations.

**14.5 Environmental hazards**

No dangerous good in sense of these transport regulations.

**14.6 Special precautions for user**

None

**SECTION 15: Regulatory information**

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

None

**15.2 Chemical safety assessment**

Chemical safety assessments for substances in this preparation were not carried out.

**SECTION 16: Other information**

**16.1 Indication of changes**

11. Acute oral toxicity · 11. Skin corrosion/irritation · 11. Serious eye damage/eye irritation

**16.2 Abbreviations and acronyms**

a.i. = Active ingredient  
ACGIH = American Conference of Governmental Industrial Hygienists (US)  
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road  
AFFF = Aqueous Film Forming Foam  
AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC)  
AOAC = AOAC International (formerly Association of Official Analytical Chemists)  
aq. = Aqueous  
ASTM = American Society of Testing and Materials (US)  
atm = Atmosphere(s)  
B.V. = Beperkt Vennootschap (Limited)  
BCF = Bioconcentration Factor  
bp = Boiling point at stated pressure  
bw = Body weight  
ca = (Circa) about  
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)  
CEFIC = European Chemical Industry Council (established 1972)  
CIPAC = Collaborative International Pesticides Analytical Council  
CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Conc = Concentration  
cP = CentiPoise  
cSt = Centistokes  
d = Day(s)  
DIN = Deutsches Institut für Normung e.V.  
DNEL = Derived No-Effect Level  
DT50 = Time for 50% loss; half-life  
EbC50 = Median effective concentration (biomass, e.g. of algae)  
EC = European Community; European Commission

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EC50 = Median effective concentration  
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)  
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)  
ErC50 = Median effective concentration (growth rate, e.g. of algae)  
EU = European Union  
EWC = European Waste Catalogue  
FAO = Food and Agriculture Organization (United Nations)  
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)  
h = Hour(s)  
hPa = HectoPascal (unit of pressure)  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IC50 = Concentration that produces 50% inhibition  
IMDG Code = International Maritime Dangerous Goods Code  
IMO = International Maritime Organization  
ISO = International Organization for Standardization  
IUCLID = International Uniform Chemical Information Database  
IUPAC = International Union of Pure and Applied Chemistry  
kg = Kilogram  
Kow = Distribution coefficient between n-octanol and water  
kPa = KiloPascal (unit of pressure)  
LC50 = Concentration required to kill 50% of test organisms  
LD50 = Dose required to kill 50% of test organisms  
LEL = Lower Explosive Limit/Lower Explosion Limit  
LOAEL = Lowest observed adverse effect level  
mg = Milligram  
min = Minute(s)  
ml = Milliliter  
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)  
mp = Melting point  
MRL = Maximum Residue Limit  
MSDS = Material Safety Data Sheet  
n.o.s. = Not Otherwise Specified  
NIOSH = National Institute for Occupational Safety and Health (US)  
NOAEL = No Observed Adverse Effect Level  
NOEC = No observed effect concentration  
NOEL = No Observable Effect Level  
NOx = Oxides of Nitrogen  
OECD = Organization for Economic Cooperation and Development  
OEL = Occupational Exposure Limits  
Pa = Pascal (unit of pressure)  
PBT = Persistent, Bioaccumulative or Toxic  
pH = -log<sub>10</sub> hydrogen ion concentration  
pKa = -log<sub>10</sub> acid dissociation constant  
PNEC = Previsible Non Effect Concentration  
POPs = Persistent Organic Pollutants  
ppb = Parts per billion  
PPE = Personal Protection Equipment  
ppm = Parts per million  
ppt = Parts per trillion  
PVC = Polyvinyl Chloride  
QSAR = Quantitative Structure-Activity Relationship  
REACH = Registration, Evaluation and Authorization of Chemicals (EU, see NCP)  
SI = International System of Units  
STEL = Short-Term Exposure Limit  
tech. = Technical grade  
TSCA = Toxic Substances Control Act (US)  
TWA = Time-Weighted Average

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vPvB = Very Persistent and Very Bioaccumulative  
WHO = World Health Organization = OMS  
y = Year(s)

**16.3 Key literature references and sources for data**

None

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

The classification of mixtures and applied evaluation method in accordance with regulation (EC) Nr. 1272/2008 [CLP] has been appointed in section 2.1

**16.5 Relevant H- and EUH-phrases (Number and full text)**

None

**16.6 Training advice**

None

**16.7 Additional information**

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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