

Printing date 31.01.2006

Reviewed on 23.03.2005

## 1 Identification of substance:

- Product details:
- Trade name: **RSP ULTRA BIOCLEAN**
- Application of the substance / the preparation: Cleaning agent/ Cleaner
- Manufacturer/Supplier:  
KORA GmbH.  
Kirstein 2  
A-4470 Enns  
Phone +43 (0) 72 23 / 8 49 47 Fax +43 (0) 72 23 / 8 49 50  
E-Mail: [verkauf@rsp.at](mailto:verkauf@rsp.at) Internet: [www.rsp.at](http://www.rsp.at)
- Informing department:  
Product safety department Phone +43 (0) 72 23 / 8 49 47 Fax +43 (0) 72 23 / 8 49 50
- Emergency information:  
Tel: +43 (0) 676 / 35 00 43 0 (Switch Board)

## 2 Composition/Data on components:

- Chemical characterization:  
CAS No. Designation:  
Hydrocarbon solvent, dearomatized, low viscous
- Identification number(s): Single substance

## 3 Hazards identification

- Hazard designation: Xn Harmful
- Information pertaining to particular dangers for man and environment  
This product is water polluting; see item 12.  
R 65 Harmful: may cause lung damage if swallowed.  
R 66 Repeated exposure may cause skin dryness or cracking.
- Classification system  
The classification and hazard designation are in line with current EC lists resulting of the so called conventional method of 88/379 EU concerning specific data of compounds.

## 4 First aid measures

- General information  
Change clothes and shoes contaminated or soaked by the product.  
Never put rags contaminated by the product into cloth-pockets.
- After inhalation  
Supply fresh air; consult doctor in case of symptoms.  
(eventually by inhaling the overheated product)
- After skin contact  
Instantly wash with water and soap and rinse thoroughly.  
Wash with water and soap; pay attention: skin degreasing product.
- After eye contact  
Rinse opened eye for several minutes under running water.

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MATERIAL SAFETY DATA SHEET  
According to 91/155/EC

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If symptoms persist, consult doctor.

- After swallowing  
Do not induce vomiting; instantly call for medical help.
- Information for doctor  
If swallowed with consecutive vomiting, aspiration and danger of entering into the lungs may occur.  
Applicate active carbon in order reduce the resorption into the stomach/ intestine. Flushing of the stomach only by endotracheale intubation! Do not applicate milk or fatty oils!
- The following symptoms may occur:  
Headache  
Degreased skin

## 5 Fire fighting measures

- Suitable extinguishing agents  
CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- For safety reasons unsuitable extinguishing agents  
Water with a full water jet.
- Special hazards caused by the material, its products of combustion or flue gases:  
Can form explosive vapor-air mixtures at higher temperatures.
- Protective equipment:  
In case of fire fighting: wear self containing breathing apparatus
- Additional information Cool endangered containers with water spray jet.

## 6 Accidental release measures

- Person-related safety precautions:  
Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources  
Ensure adequate ventilation
- Environmental protection measures:  
Do not allow to enter drainage system, surface or ground water.  
Prevent material from reaching sewage system, holes and cellars.
- Measures for cleaning/collecting:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.
- Additional information: See Section 7 for information on safe handling

## 7 Handling and storage

- Handling  
The precautions for storing and handling of flammable liquids have to be kept.
- Information for safe handling:  
Do not eat, drink or smoke when working with the product.

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Take usual precautions when handling mineral oil products or chemical products.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Store in cool, dry place in tightly closed containers.

- Information about protection against explosions and fires:

Keep ignition sources away.- Do not smoke!

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

Flammable mixtures may be formed in empty containers.

Danger of explosion if fluid enters the drainage system

- Storage

- Requirements to be met by storerooms and containers:

Store only in the original container.

Provide solvent resistant, sealed floor.

- Information about storage in one common storage facility:

Local regulations for common storage of flammable liquids have to be followed.

- Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

Local regulations concerning handling and storage of waterpolluting products have to be followed.

The local regulations for storage of slightly water polluting products have to be kept.

\* 8 Exposure controls and personal protection

- Additional information about design of technical systems:

No further data; see item 7.

- Components with critical values that require monitoring at the workplace:

- | CAS No.  | Designation of material | % | Type | Value | Unit |
|--|-------------------------|---|------|-------|------|
| Local regulations for critical values at the workplace are to be kept. |                         |   |      |       |      |

- Additional information:

The lists that were valid during the compilation were used as basis.

- Personal protective equipment

- General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals and the mineral oil products.

Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work.

Avoid close or long term contact with the skin.

Use skin protection cream for preventive skin protection.

Do not carry cleaning cloths impregnated with the product in trouser pockets.

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- Breathing equipment:  
Use breathing protection only when aerosol or mist is formed.  
Use breathing protection in case of insufficient ventilation.
- Protection of hands:  
Protective gloves, where permitted in acc. to safety directions.
- 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.
- Penetration time of glove material  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- For the permanent contact gloves made of the following materials are suitable:  
Fluorocarbon rubber (Viton)
- Eye protection: Safety glasses recommended during refilling.
- Body protection: Protective work clothing.

9 Physical and chemical properties:

· General Information

- Form: Fluid
- Colour: Colourless
- Smell: Characteristic

	Value/Range	Unit	Method
· Change in condition			
· Melting point/Melting range:	Not determined		
· Boiling point/Boiling range:	Not determined		
· Flash point:	63 ° C		DIN ISO 2592
· Ignition temperature:	230 ° C		DIN 51 794
· Danger of explosion:	Product is not explosive.		
· Critical values for explosion:			
· Lower:	0.6 Vol %		
· Upper:	6.0 Vol %		
· Vapour pressure:	at 20 ° C	1.0 hPa	
· Density	at 20 ° C	0.78 g/cm <sup>3</sup>	DIN 51 757
· Solubility in / Miscibility with			
· Water:	Not miscible or difficult to mix		
· Viscosity or Consistency-Class:			
· kinematic:	at 20 ° C	1.8 mm <sup>2</sup> /s	DIN 51 562

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- Additional information Share of benzene <10 ppm

#### 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- Dangerous reactions  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
- Dangerous products of decomposition:  
No dangerous decomposition products known

#### 11 Toxicological information

- Acute toxicity:  
LD/LC50 values that are relevant for classification:  
Oral: LD50: > 2000 mg/kg (rat)  
Dermal: LD50: >3200 mg/kg (rab)
- Primary irritant effect:
  - on the skin: No irritant effect known.
  - on the eye: No irritant effect known.
- Sensitization: No sensitizing effect known.
- Additional toxicological information:  
When used and handled according to specifications, the product does not have any harmful effects according to our actual informations.

#### 12 Ecological information:

- Information about elimination (persistence and degradability):  
Potentially biodegradable
- Behaviour in environmental systems:
- Mobility and bioaccumulation potential:  
Swims on the (sewage) water surface. Will be absorbed in the soil and is not mobil. Evaporates within one day from water- or soil-surfaces, but bioaccumulation is possible.
- Ecotoxicological effects:
  - Remark: Swims on the (sewage) water surface.
- Behaviour in sewage processing plants:  
The product swims on the water surface.
- General notes:  
German Water Endangering Class 1 (Assessment by list): slightly hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.

#### 13 Disposal considerations

- Product:

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- Recommendation  
Smaller quantities have to be disposed in line with local legislation. When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed.  
Delivery of waste oil only to officially authorized collectors.
- European waste catalogue  
07 06 04: other organic solvents, washing liquids and mother liquors
- Uncleaned packagings:
- Recommendation:  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Small one-way packagings have to be disposed according to the local regulations.  
EWC 15 01 99.

#### 14 Transport information

- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)  
ADR/RID-GGVS/E Class: -
- Maritime transport IMDG/GGVSea:  
IMDG/GGVSea Class: -  
Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:  
ICAO/IATA Class: -
- Transport/Additional information:  
No dangerous good acc. to dangerous goods/ transport directions.

#### 15 Regulatory information

- Designation according to EU guidelines:  
The product has been classified and labelled in accordance with EC Directives until 2004/73/EC (29. ATP).  
Observe the normal safety regulations when handling chemicals or mineral oil products.
- Code letter and hazard designation of product: Xn Harmful
- Risk phrases:  
65 Harmful: may cause lung damage if swallowed.  
66 Repeated exposure may cause skin dryness or cracking.
- Safety phrases:  
24 Avoid contact with skin.  
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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- National regulations
- Technical instructions (air):  
Class Share in %  
III 100.0
- German Water Hazard Class:  
Water Engangering Class 1 (Assessment by list): slightly hazardous for water.

16 Other information:

All ingredients are listed in the European Inventories. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This data sheet is a safety data sheet according to 91/155/EU. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.