

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 15.01.2015

Version number 33

Revision: 02.09.2014

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

- **1.1 Product identifier**
- **Trade name:** *Ultraclear*
- **Article number:** 3905, H3905
- **EC number:**  
292-459-0
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture :** *For Laboratory, Research or Manufacturing use.*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Avantor Performance Materials B.V.*  
*P.O.Box 1*  
*7400 AA Deventer*  
*The Netherlands*  
*Tel: (+31) (0)570 - 687500*  
*Fax: (+31) (0)570 - 687574*  
*E-mail : jt baker.nl@avantormaterials.com*
- **Informing department:**  
*E-mail : pawel.skiba@avantormaterials.com*  
*Avantor Performance Materials Sales Office Tel.: +31(0) 570 687500*
- **1.4 Emergency telephone number:**  
*Environment Health & Safety department*  
*during normal opening times (8 am till 5.30 pm) tel: (+31)(0) 570 687500*


**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
*Flam. Liq. 3            H226 Flammable liquid and vapour.*  
*Asp. Tox. 1            H304 May be fatal if swallowed and enters airways.*  
*Aquatic Chronic 4    H413 May cause long lasting harmful effects to aquatic life.*


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  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
*Xn; Harmful*  
*R65:            Harmful: may cause lung damage if swallowed.*  
*R53-66:        May cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.*
  - **Information concerning particular hazards for human and environment:**  
*At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.*

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  - **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**  
*The substance is classified and labelled according to the CLP regulation.*
  - **Hazard pictograms**
- 

GHS02



GHS08
- **Signal word** *Danger*
  - **Hazard statements**  
*H226 Flammable liquid and vapour.*  
*H304 May be fatal if swallowed and enters airways.*  
*H413 May cause long lasting harmful effects to aquatic life.*
  - **Precautionary statements**  
*P210            Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*  
*P241            Use explosion-proof electrical/ventilating/lighting/equipment.*  
*P280            Wear protective gloves/protective clothing/eye protection/face protection.*

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P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*  
 P303+P361+P353 *IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*

P405 *Store locked up.*

· **Additional information:**

· EUH066 *Repeated exposure may cause skin dryness or cracking.*

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

**SECTION 3: Composition/information on ingredients**

· **3.1 Chemical characterisation: Substances**

· **CAS No. Designation:**

Ultraclear

Hydrocarbons CAS 90622-57-4

· **Identification number(s):**

· **EC number:** 292-459-0

**SECTION 4: First aid measures**

· **4.1 Description of first aid measures**

· **After inhalation** *Supply fresh air; consult doctor in case of symptoms.*

· **After skin contact** *The product is not skin irritating.*

· **After eye contact** *Rinse opened eye for several minutes under running water.*

· **After swallowing** *In case of persistent symptoms consult doctor.*

· **4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.*

· **4.3 Indication of any immediate medical attention and special treatment needed**

*No further relevant information available.*

**SECTION 5: Firefighting measures**

· **5.1 Extinguishing media**

· **Suitable extinguishing agents**

Water haze

Fire-extinguishing powder

Foam

Carbon dioxide

· **For safety reasons unsuitable extinguishing agents** *Water with a full water jet.*

· **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*

· **5.3 Advice for firefighters**

· **Protective equipment:** *No special measures required.*

**SECTION 6: Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures** *Not required.*

· **6.2 Environmental precautions:**

*Inform respective authorities in case product reaches water or sewage system.*

· **6.3 Methods and material for containment and cleaning up:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

*Dispose of contaminated material as waste according to item 13.*

*Ensure adequate ventilation.*

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- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires: no special requirements**
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers: No special requirements.**
- **Information about storage in one common storage facility: Not required.**
- **Further information about storage conditions: None.**
- **7.3 Specific end use(s) No further relevant information available.**

**SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
- **Additional information: The lists that were valid during the compilation were used as basis.**
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and food.  
Wash hands during breaks and at the end of the work.
- **Breathing equipment:**  
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:**  
Protective gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **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.
- **Eye protection: Safety glasses recommended during refilling.**

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**  
**Form:** Liquid  
**Colour:** Colourless

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|   |  |
|---|--|
| · <b>Smell:</b>                                   | Odourless                                  |
| · <b>Odour threshold:</b>                         | Not determined.                            |
| · <b>pH-value:</b>                                | Not determined.                            |
| · <b>Change in condition</b>                      |  |
| <b>Melting point/Melting range:</b>               | < -50 °C                                   |
| <b>Boiling point/Boiling range:</b>               | 173-193 °C                                 |
| · <b>Flash point:</b>                             | 56 °C                                      |
| · <b>Inflammability (solid, gaseous)</b>          | Not applicable.                            |
| · <b>Ignition temperature:</b>                    |  |
| <b>Decomposition temperature:</b>                 | Not determined.                            |
| · <b>Self-inflammability:</b>                     | Not determined.                            |
| · <b>Danger of explosion:</b>                     | Not determined.                            |
| · <b>Critical values for explosion:</b>           |  |
| <b>Lower:</b>                                     | 0.6 Vol %                                  |
| <b>Upper:</b>                                     | 7 Vol %                                    |
| · <b>Steam pressure at 20 °C:</b>                 | 0.66 hPa                                   |
| · <b>Density at 20 °C</b>                         | 0.765 g/cm <sup>3</sup>                    |
| · <b>Relative density</b>                         | Not determined.                            |
| · <b>Vapour density</b>                           | Not determined.                            |
| · <b>Evaporation rate</b>                         | Not determined.                            |
| · <b>Solubility in / Miscibility with</b>         |  |
| <b>Water at 20 °C:</b>                            | < 0.1 g/l                                  |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| <b>dynamic:</b>                                   | Not determined.                            |
| <b>kinematic:</b>                                 | Not determined.                            |
| · <b>9.2 Other information</b>                    | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Heat, boiling temperatures.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | >10000 mg/kg (rat) |
| Dermal | LD50 | >3000 mg/kg (kon)  |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.

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· **Sensitisation:** No sensitizing effect known.



**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class (D) 1 (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN3295
- **14.2 UN proper shipping name**
- **ADR** 3295 HYDROCARBONS, LIQUID, N.O.S.
- **IMDG, IATA** HYDROCARBONS, LIQUID, N.O.S.
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class** 3 (F1) Flammable liquids.
- **Label** 3
- **IMDG, IATA**
- 
- **Class** 3 Flammable liquids.
- **Label** 3

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|  |  |
|--|--|
| · 14.4 Packing group<br>· ADR, IMDG, IATA                                      | III  |
| · 14.5 Environmental hazards:<br>· Marine pollutant:                           | No   |
| · 14.6 Special precautions for user<br>· Kemler Number:<br>· EMS Number:       | Warning: Flammable liquids.<br>30<br>F-E,S-D   |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable.  |
| · Transport/Additional information:  |  |
| · ADR<br>· Limited quantities (LQ)<br>· Excepted quantities (EQ)               | 5L<br>Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · IMDG<br>· Limited quantities (LQ)<br>· Excepted quantities (EQ)              | 5L<br>Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation":   | UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III   |

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008  
The substance is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS02 GHS08

- Signal word *Danger*
- Hazard statements  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H413 May cause long lasting harmful effects to aquatic life.
- Precautionary statements  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P405 Store locked up.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

*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.*

· **Department issuing data specification sheet:** EHS

· **Contact:** Paweł Skiba

· **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)*

*ICAO: International Civil Aviation Organisation*

*ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)*

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*Flam. Liq. 3: Flammable liquids, Hazard Category 3*

*Asp. Tox. 1: Aspiration hazard, Hazard Category 1*

*Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4*

· **\* Data compared to the previous version altered.**

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