

Safety data sheet
 according to EC 1907/2006

Printing date 15.11.2011

Version number 3

Revision 15.11.2011

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

- **Product identifier**
- **Brandname:** SUMA REVOFLOW CLEAR A11
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the product:** Professional kitchen hygiene product.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Diversey BV
 Maarssenbroeksedijk 2
 3542 DN Utrecht, Netherlands
 Tel. +31 (0)30-2476911
 Email: MSDS.JD-NL@johnsondiversey.com
- **Information department:** Local Technical Centre
- **Emergency telephone number:** See section 16 of this sheet.

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC void**
- **Classification system:**
 The classification complies with current EC regulations on dangerous substances and preparations.
- **Label elements**
- **Labelling according to EU guidelines:** Non-dangerous according to the guidelines of the relevant EC Directives.
- **Further indications on the label:**
 Safety data sheet available for professional user on request.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture in water of non-dangerous ingredients and the substances listed below.

· **Hazardous ingredients:**

CAS: 111905-53-4 EC number: Polymer	alkyl alcohol alkoxylate	Xi R36/38	5-15%
CAS: 77-92-9 EINECS: 201-069-1	citric acid	Xi R36	5-15%
CAS: 111905-54-5 EC number: Polymer	alkyl alcohol alkoxylate	Xi R38; N R50	< 5%
CAS: 28348-53-0 EINECS: 248-983-7	sodium cumenesulphonate	Xi R36	< 5%

- **Additional information:** The full text of the relevant risk phrases is given in section 16.

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4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **Inhalation:** No special measures required.
- **Skin contact:** No special measures required.
- **Eye contact:** Wash immediately with copious amounts of water.
- **Ingestion:**
Rinse out mouth and then drink one or two glasses of water (or milk).
In case of persistent symptoms obtain medical attention.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing media:**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
- **Reference to other sections**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Precautions for safe handling** Use common rules for working with chemicals.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements for storage rooms and containers:** No special requirements.
- **Storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be complied with.
- **Breathing equipment:** Personal protection is not normally required.
- **Protection of hands:** In normal use hand protection is not required.
- **Eye protection:**
Safety glasses are not normally required. However, their use is recommended in those cases where handling the undiluted product involves a risk of splashing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Colour:	Clear Yellow
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** pH ≤ 2.0
- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Explosive properties:** Product is not explosive.
- **Critical values for explosion:**

Lower:	Not determined.
Upper:	Not determined.
- **Oxidising properties:** Not oxidising.
- **Vapour pressure:** Not determined.
- **Density at 20°C:** 1.04 g/cm³
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with**

Water:	Fully miscible
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- **Segregation coefficient (n-octanol/water):** Not determined.

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- **Viscosity:**
- dynamic:** *Not determined.*
- **Other information** *No further relevant information available.*

10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *Reacts with alkali.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD50 (oral):** *Based on the toxicological classification the LD50 (oral) is estimated to be > 2000 mg/kg.*
- **Primary irritant effect:**
- **skin contact:** *Unlikely to be irritant in normal use.*
- **eye contact:** *Unlikely to be irritant in normal use.*
- **inhalation:** *Not applicable.*
- **ingestion:** *Unlikely to be harmful unless excessive amount ingested.*
- **Additional toxicological information:**
The product is not subject to labelling requirements for toxicological properties or human health effects under the EC Dangerous Substances and Preparations Directives.
When used and handled according to instructions, the product is unlikely to have any harmful effects.
- **Sensitisation** *No known effects.*
- **Repeated dose toxicity** *No known effects.*
- **STOT-single exposure:** *No known effects.*
- **STOT-repeated exposure:** *No known effects.*

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Classification:** *This classification refers to the undiluted product.*
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **Other adverse effects** *No further relevant information available.*

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Dispose of observing official regulations.

- **European waste catalogue:**

20 01 30	detergents other than those mentioned in 20 01 29
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- **Uncleaned packagings**
- **Recommendation:** Dispose of observing official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** void
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** void
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** void
- **Packing group**
- **ADR, IMDG, IATA** void
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:** Non-dangerous according to above regulations.

15 Regulatory information

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

- **Ingredients according to EC Detergents Regulation 648/2004**

non-ionic surfactants	5 - 15%
polycarboxylates	< 5%

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

- **Relevant phrases**
 - R36 Irritating to eyes.
 - R36/38 Irritating to eyes and skin.
 - R38 Irritating to skin.
 - R50 Very toxic to aquatic organisms.
- **Department issuing material safety data sheet:** Local Technical Centre
- **Contact:** Local Technical Centre
- **International references:**
- **MSDS code:** MSDS6007/NL
- **Version:** 3
- **MSDS review date:** 15.11.2011

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