

Safety Data Sheet

According to 1907/2006/EC

This International MSDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory

data sheet for your country.

Printing Date 23.11.2009

Revision 19.11.2009

1 Product and company identification

- **Brandname:** CLAX REVOFLOW SOFT C 5XL1
- **Application of the product:** Professional fabric washing product.
- **Manufacturer/Supplier:** JohnsonDiversey local operating company
- **Information department:** JohnsonDiversey local operating company
- **Emergency information:** JohnsonDiversey local operating company

2 Hazards identification

- **Classification:** Xi Irritant
- **Hazards for man and the environment:**
 - R 36/38 Irritating to eyes and skin.
 - R 43 May cause sensitisation by skin contact.
- **Classification system:**

The classification complies with current EC regulations on dangerous substances and preparations.

3 Composition/Information on ingredients

- **Chemical characterization**
- **Description:**

Mixture in water of non-dangerous ingredients and the substances listed below.

Hazardous ingredients:

94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate- quaternized Xi; R 36/38 EINECS: 302-242-5	>= 30 %
101-86-0 alpha-hexylcinnamaldehyde Xi; R 43 EINECS: 202-983-3	< 5 %
54464-57-2 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one N; R 51/53 EINECS: 259-174-3	< 5 %
80-54-6 2-(4-tert-Butylbenzyl)propionaldehyde Xn, Xi, N; R 22-43-62-51/53 EINECS: 201-289-8	< 5 %
88-41-5 2-tert-butylcyclohexyl acetate N; R 51/53 EINECS: 201-828-7	< 5 %
- **Ingredients according to EC Detergents Regulation 648/2004**

cationic surfactants perfumes, Alpha-Isomethyl Ionone, Hydroxycitronellal, Amyl Cinnamal, Hexyl Cinnamal, Butylphenyl Methylpropional	>= 30%
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- **Additional information:**

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The full text of the relevant risk phrases is given in section 16.

4 First aid measures

- **General information:** No special measures required.
- **Inhalation:**
In case of unconsciousness bring patient into stable side position for transport.
- **Skin contact:**
Wash skin immediately and thoroughly with water. Remove contaminated clothing.
Obtain medical attention if symptoms develop.
- **Eye contact:**
Wash immediately with copious amounts of water. Obtain medical attention if symptoms develop.
- **Ingestion:**
Rinse out mouth and then drink one or two glasses of water (or milk). Obtain medical attention.

5 Fire fighting measures

- **Suitable extinguishing media:**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Protection of personnel:** Not required.
- **Environmental precautions:** Dilute with plenty of water.
- **Method of disposal:**
Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Dispose of the collected material according to the regulations.

7 Handling and storage

- **Handling (see also sections 8 and 15)**
- **Information for safe handling:**
Use common rules for working with chemicals.
- **Information about protection against explosions and fires:**
No special measures required.
- **Storage**
- **Requirements for storage rooms and containers:**
According to local legislation.
- **Storage in one common storage facility:** According to local legislation.

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· **Further information about storage conditions:** None.

8 Exposure controls and personal protection

· **Additional information about design of technical systems:**

No further data; see section 7.

Components with limit values that require monitoring at the workplace: 57-55-6 propane-1,2-diol (15-30%)

WEL (Great Brittain): Long-term value: 474* 10** mg/m³, 150* ppm
*total vapour and particulates **particulates

34590-94-8 (2-methoxymethylethoxy)propanol (< 5%)

IOELV (Europe): Long-term value: 308 mg/m³, 50 ppm
Skin

WEL (Great Brittain): Long-term value: 308 mg/m³, 50 ppm
Sk

· **Additional information:**

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

· **Personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing.

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

Avoid contact with the eyes and skin.

· **Breathing equipment:** Personal protection is not normally required.

· **Protection of hands:**

Chemical-resistant protective gloves made of butyl or nitrile rubber (EN 374, category III). In consultation with the supplier of protective gloves a different type of similar quality may be chosen.

· **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

· **General Information**

· **Form:** Liquid

· **Colour:**

Clear

Yellow

· **Odour:** Perfumed

·

	Value/Range	Unit	Method
· Change in condition			
· Melting point/Melting range:	Not determined		
· Boiling point/Boiling range:	Not determined		

· **Change in condition**

· **Melting point/Melting range:** Not determined

· **Boiling point/Boiling range:** Not determined

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- **Flash point:** Not applicable.
- **Spontaneous combustion:** Product is not self igniting.
- **Danger of explosion:** Product is not explosive.
- **Density:** at 20 ° C 1.01 g/cm³
- **Solubility in / Miscibility with**
- **Water:** Fully miscible
- **pH-value:** 3.0 < pH ≤ 3.5

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions:** Reacts with alkali.
- **Hazardous decomposition products:**
No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD50 (oral):**
Based on the toxicological classification the LD50 (oral) is estimated to be > 2000 mg/kg.
- **Primary irritant effect:**
- **skin contact:** Causes irritation and may cause sensitization.
- **eye contact:** Causes irritation.
- **inhalation:** Causes irritation.
- **ingestion:** Causes irritation.
- **Additional toxicological information:**
EC classification:
Irritant
- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information

- **General notes:**
When used for its intended purpose this product should not cause adverse effects in the environment.

13 Disposal considerations

- **Product**
- **Recommendation:** Dispose of observing official regulations.
- **European waste catalogue:**
20 01 29: detergents containing dangerous substances
- **Uncleaned packagings**

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- **Recommendation:** Dispose of observing official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID Class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:**
Non-dangerous according to above regulations.

15 Regulatory information

- **Classification according to EC guidelines:**
The product has been classified and labelled in accordance with current EC Directives.
- **Symbol and hazard indication of product:** Xi Irritant
- **Ingredients responsible for the classification:**
alpha-hexylcinnamaldehyde
- **Risk phrases:**
36/38 Irritating to eyes and skin.
43 May cause sensitisation by skin contact.
- **Safety phrases:**
24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37 Wear suitable gloves.

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.

- **Text of risk phrases associated with ingredients listed in section 3:**
22 Harmful if swallowed.
36/38 Irritating to eyes and skin.
43 May cause sensitisation by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
62 Possible risk of impaired fertility.

- **Department issuing material safety data sheet:**
JohnsonDiversey Europe BV, Professional & Regulatory Affairs, Research

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& Development - EMA region, Utrecht, The Netherlands

· **Contact:**

For information to JohnsonDiversey operating companies: JohnsonDiversey Europe BV, Professional & Regulatory Affairs, Research & Development - EMA region, Utrecht, The Netherlands

· **International references:**

· **MSDS code:** MSDS5926

· **Version:** 3

· **MSDS review date:** 19.11.2009

· **Formulation code:** FM004693

· *** Revisions are indicated by an asterisk (*) in the margin. ˇ**

For information only