

Material Safety Data Sheet
According to 91/155 EC

Printing date 24/09/2001

Reviewed on 10/05/2005

1 Product and company identification

- **Brandname:** Clax Alfa **AN Code :** 3DL1
- **Application of the product:** Liquid detergent **Reference Number :** R-DLT 8099
- **Manufacturer/Supplier:** JohnsonDiversey (Thailand) ltd.
- **Information department:** JohnsonDiversey (Thailand) ltd. Tel. 0-2685-3777
- **Emergency information:** Poison Centre, Ramathibodi hospital Tel. 0-2354-7272, 0-2201-1083 Hot line : 1367

2 Composition / Information on ingredients

- **Chemical characterisation**
- **Description:** Liquid detergent
- *Mixture in water of non-dangerous ingredients and the substances listed below.*

• **Hazardous ingredients:**

non-ionic surfactants	5-15%	
non-ionic surfactants	<5%	
potassium hydroxide	5-15%	
tetrapotassium pyrophosphate	5-15%	
Alkenyl dicaroxylic anhydride	<5%	

• **Ingredients according to EC 89/542**

Phosphates, non-ionic surfactants

3 Hazards identification

- **Classification:** Causes severe burns.
- **Risk phrases:** Corrosive

• **Classification system**

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

4 First aid measures

- **General information:** Remove contaminated clothing immediately.
- **Inhalation** In case of Unconsciousness bring patient into stable side position for transport. .
- **Skin contact** Wash skin immediately and thoroughly with wate.Remove contaminated clothing. Obtain medical attention if symptoms develop.
- **Eye contact** Wash immediately with copious amounts of water and obtain medical attention.
- **Ingestion** Remove material from mouth. Drink 1-2 glasses of water (or milk) and obtain medical attention without delay.

Brandname: *Clax Alfa*

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:** *Wear suitable protective clothing, gloves and eye/face protection.*
- **Environmental precautions:** *Dilute with plenty of water.*
- **Method of disposal:** *Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to the regulations.
Use neutralizing agent.*

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.*
- **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:**

1310-58-3 potassium hydroxide (5-15%)

OES : Short-term value : 2 mg/m³

- **Additional information:** *The lists that were valid during the compilation were used as basis.*

- **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:** *Protective gloves.*
- **Eye protection:** *Tightly fitting safety glasses.*

Brandname: *Clax Alfa*

9 Physical and chemical properties

- **Form:** *liquid*
- **Colour:** *Clear pale yellow*
- **Odour:** *Characteristic*
- **Change in condition**
 - Melting point/Melting range:** *Not determined*
 - Boiling point/Boiling range:** *Not determined*
- **Flash point:** *Not applicable*
- **Spontaneous combustion:** *Product is not self igniting*
- **Danger of explosion:** *Product is not explosive*
- **Density at 20°C:** *1.18 g/cm³ approx*
- **Solubility in/Miscibility with Water:** *Fully Miscible*
- **pH-value:** *> 12.5*

10 Stability and reactivity

- **Thermal decomposition/conditions to be avoided:** *No decomposition if used according to specifications.*
- **Dangerous reactions:** *Strong exothermic reaction with acids.*
- **Hazardous composition products:** *No dangerous decomposition products known.*

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin;** *Strong caustic effect on skin and mucous membranes.*
 - **on the eye:** *Strong caustic effect.*
- **Inhalation:**
- **Ingestion:** *Ingestion will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.*
- **Sensitisation:** *No sensitizing effect known.*

12 Ecological information

- **General notes:**
 - Must not reach sewage water or drainage ditch undiluted or unneutralized.*
 - The surfactants used in this product are biodegradable in compliance with the requirements of EC Directives 73/404/EEC and 73/405/EEC and their subsequent amendments.*
 - When used for its intended purpose this product should not cause adverse effects in the environment.*

Brandname: *Clax Alfa*

13 Disposal considerations

- **Product:**
- **Recommendation:** *Must not be disposed of together with domestic waste. Do not allow undiluted product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** *Dispose of observing official regulations.*

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVS/E Class:** *8Corrosive substances.*
- **Item number / Sub-group** *42b*
- **UN-Number:** *1814*
- **Label:** *8*
- **Proper Shipping name** *Potassium hydroxide solution.*
- **Comments:** *According to ADR/RID marginal 2801a, combined packages of small quantities can be transported with an exemption from ADR/RID.*

15 Regulatory information

- **Classification according to EC guidelines:**
The product has been classified and labelled in accordance with current EC Directives.
- **Risk phrases:**
R35 Cause severe burns.
- **Safety phrases:**
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 After contact with skin, wash immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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.

- **Department issuing material safety data sheet:** *JohnsonDiversey (Thailand) ltd.*
- **Contact:** *JohnsonDiversey(Thailand) ltd.*
- **Formulation code:** *JDT-8099-T7*
- **Clearance code:** *R58239*