



Safety Data Sheet

According to EC 1907/2006

Product name : **CLAX HYPO 4AL1**

Preparation Date : 11.01.2011

Revision Date: 19.06.2012

Version: 6

Page: 1/11

MSDS code: MSDS1671

1 Identification Of The Substance/Mixture And Of The Company/Undertaking

Product identifier

Product name: **CLAX HYPO 4AL1**

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Professional laundry washing product

Details of the supplier

Manufacturer / Supplier: Diversey Kimya Sanayi ve Ticaret A.Ş.

Değirmenyolu Cad. Huzur Hoca Sokak No:86, 34752

İçerenköy/İstanbul

Tel: 0216 578 64 00

Fax: 0216 578 64 01

Emergency telephone number

Information center: Diversey Kimya Sanayi ve Ticaret A.Ş. Tel: +90 216 578 64 00

2 Hazards Identification

Causes burns.

Contact with acids liberates toxic gas.

Classification(1999/45/EEC): C;R34. R31

Classification system:

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

3 Composition / Information on Ingredients

Chemical characterization

Description:

A mixture in water of non-hazardous substances and the ingredients listed below.



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Hazardous ingredients:

CAS: 7681-52-9	Sodium hypochlorite*	5-15%
	C;R34. N;R50. R31	
	EINECS: 231-668-3	
CAS:1310-73-2	Sodium hydroxide*	<5%
	C;R35	
	EINECS:215-185-5	

Ingredients according to EC Detergents Regulation 648/2004

chlorine-based bleaches	5-15%
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Additional information:

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

*Occupational Exposure Limit(s), if available, are listed Section 8.

4 First aid measures

General information:

Remove contaminated clothing immediately.

Inhalation :

Remove patient from exposure area and remove to fresh air.

Get medical attention if symptoms develop.

Skin contact:

Wash skin thoroughly with water immediately. Remove contaminated clothing immediately. Obtain medical attention if symptoms develop.

Eye contact:

Wash immediately with copious amounts of water and obtain medical attention.

Ingestion:

Remove mouth with water. Drink one or two glasses of water or milk. Obtain medical attention.



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5 Firefighting Measures

Suitable extinguishing media

CO₂, extinguishing powder or water.

Fight larger fires with water jet or alcohol-resistant foam.

Protective equipment: As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

Specific Hazards: In case of fire, Chlorine gas is released.

6 Accidental Release Measures

Personal precautions:

Wear breathing apparatus. Avoid contact with the eyes, skin and clothes.

Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions: Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

Method of disposal:

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

Dispose of the collected material according to the local regulations.

Additional information:

See Section 8 for personal protective equipment and Section 13 for waste disposal.

7 Handling and Storage

Handling (see also sections 8 and 15)

Information for safe handling:

Observe the common rules while working with chemicals.

Avoid contact with the eyes, skin and clothes. Avoid inhalation of vapors.

Avoid contact with strong acidic substances.



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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: Do not store with acids. According to local legislation.

Storage conditions: Should be stored at temperatures between 6 °C to 35 °C. and away from acidic products, freezing cold and direct sunlight.

8 Exposure Controls/Personal Protection

Control parameters

Components with limit values that require monitoring at the workplace:

1310-73-2

MAK

sodium hydroxide

2,0 mg/m³

STEL

4 mg/m³ (5 mins. 8 times)

7681-52-9

MAK

Sodium hypochlorite

1,5 mg/m³

TLV

1,5 mg/m³

STEL

3 mg/m³

Additional information:

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

Exposure controls

Occupational exposure controls:

Additional information about design of technical systems: see section 7.

General protective and hygienic measures :

Keep away from foodstuffs and beverages.

Take off immediately all contaminated clothing.



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

Avoid contact with the eyes and skin.

When using, do not eat, drink or smoke.

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, it is recommended to use because of risk of splashing during use of the undiluted product.

Body protection:

Personal protection is not normally required.

9 Physical and Chemical Properties

General Information

Form:	Liquid
Colour:	Clear, Yellow
Odour:	Smell of chlorine

Important information about health, safety and environment

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	1.085 g/cc
Solubility in / Miscibility with water:	Fully miscible.
pH-value:	pH =13.2

10 Stability and Reactivity

Conditions to be avoided:

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No decomposition if applied and stored according to specifications.

Incompatible materials: Acids.

Hazardous decomposition products: Chlorine.

11 Toxicological Information

Acute toxicity and sensibility

Acute toxicity:

Based on the toxicological classification the LD50 (oral) is estimated to be >2000 mg/kg.

This value has no importance in practice with regard to the corrosive nature of the product.

sodium hydroxide

LD100 500 mg/kg (Oral, Rabbit)

LD50 1350 mg/kg (Dermal, Rabbit)

Sodium hypochlorite

LD50 >5000 mg/kg (Oral, Rat)

LC50 >10,5 mg/l (Dermal, Rat)

Skin contact: Causes burns.

Eye contact: Causes severe or permanent damage.

Inhalation: Severe irritant, may cause pulmonary edema and bronchial spasm to chlorine-sensitive individuals.

Ingestion : Causes burns.

Ingestion will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Additional toxicological information:

EC classification: Corrosive

12 Ecological Information



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Acute toxicity:

1310-73-2 Sodium hydroxide

LC50, 96 Hours, Fish 196 mg/L

EC50, 48 Hours, Crustacean 40,4 mg/L

7681-52-9 Sodium hypochlorite

LC50, 96 Hours, Fish 0,18 mg/L

EC50, 48 Hours, Crustacean 1,57 mg/L

EC50, 72/96 Hours, Algae 46 mg/L

Mobility

Liquid. Completely soluble in water.

General notes:

Must not be disposed together with domestic waste. Must not reach sewage water or drainage ditch undiluted or unneutralized.

When used for its intended purpose this product should not cause adverse effects in the environment.

13 Disposal Considerations

Product

Waste from residues / unused products: Dispose of observing official regulations. Must not be disposed together with domestic waste.

Empty packagings

Recommendation: Dispose of observing official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

14 Transport Information

Land transport ADR/RID (cross-border)

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ADR/RID Class: 8 Corrosive substances.
Kemler Number: 80
UN Number: 1719
Packaging group: II
Label: 8
Proper Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S.
(SODIUM HYPOCHLORITE, SODIUM HYDROXIDE)

Maritime transport IMDG:

IMDG Class: 8
UN Number: 1719
Label: 8
Packaging group: II
EMS Number: F-A, S-B
Marine pollutant: No
Proper Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S.
(SODIUM HYPOCHLORITE, SODIUM HYDROXIDE)

Air transport ICAO-TI and IATA-DGR:

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ICAO/IATA Class: 8
UN/ID Number: 1719
Label: 8
Packaging group: II
Proper Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S.
(SODIUM HYPOCHLORITE, SODIUM HYDROXIDE)

Transport/Additional information:

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

15 Regulatory Information**Classification according to EC guidelines:**

The product has been classified and labelled in accordance with current 1907/2006/EEC directives.

Symbol and hazard indication of product:

C Corrosive

Ingredients responsible for the classification:

Sodium hypochlorite

Sodium hydroxide

Risk phrases:



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R 31 Contact with acids liberates toxic gas.

R 34 Causes burns.

Safety phrases:

7/9 Keep container tightly closed and in a well-ventilated place.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

36/39 Wear suitable protective clothing and eye/face protection.

45 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.

Text of risk phrases associated with ingredients listed in section 3 and 15:

31 Contact with acids liberates toxic gas.

34 Causes burns.

35 Causes severe burns.

50 Very toxic to aquatic organisms.

International References:

Department issuing material safety data sheet:

Diversey Europe BV, Professional & Regulatory Affairs, Research & Development - EMA region, Utrecht, The Netherlands

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Contact:



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Diversey LTC (Local Technical Centre), Turkey

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Certificated from the Turkish Standards Institute (TSE) to prepare Safety Data Sheets

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