



Safety Data Sheet

According to EC 1907/2006

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 1/9

MSDS code: MSDS1585

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

Product identifier

Product name: **CLAX GAMMA 1BL1**

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

Identified uses: Professional laundry washing product.

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 severe burns.

Classification(1999/45/EEC): C;R35.

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.

Hazardous ingredients:

CAS: 1310-58-3

potassium hydroxide*

5-15%

C;R35. Xn;R22.

EINECS: 215-181-3



Safety Data Sheet

According to EC 1907/2006

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 2/9

MSDS code: MSDS1585

Ingredients according to EC Detergents Regulation 648/2004

phosphates 15-30%

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 :

In case of unconsciousness bring patient into stable side position for transport.

Skin contact:

Wash skin immediately and thoroughly with water. 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 material from mouth. Drink one or two glasses of water or milk.

Obtain medical attention without delay.

5 Firefighting Measures

Suitable extinguishing media

Carbon dioxide. Dry powder or water.

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

Protective equipment: No special measures required.



Safety Data Sheet

According to EC 1907/2006

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 3/9

MSDS code: MSDS1585

6 Accidental Release Measures

Personal precautions:

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

Avoid contact with skin and eyes.

Environmental precautions: Dilute with plenty of water.

Method of disposal:

Use neutralizing agents.

Absorb with dry sand or similar inert material.

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 skin and eyes.

Information about protection against explosions and fires:

No special measures required.

Storage

Requirements for storage rooms and containers:

In accordance with local and national regulations.

Storage in one common storage facility:

In accordance with local and national regulations.

Storage conditions:

Should be stored at temperatures between 0 °C to 40 °C and away from direct sunlight.



Safety Data Sheet

According to EC 1907/2006

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 4/9

MSDS code: MSDS1585

8 Exposure Controls/Personal Protection

Control parameters

Components with limit values that require monitoring at the workplace:

1310-58-3

potassium hydroxide

OES (United Kingdom)

Short term value: 2 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 food, drink and animal feeding stuffs .

Remove contaminated clothing immediately.

Wash hands before breaks and at the end of workday.

Avoid contact with the eyes and skin.

Breathing equipment:

No special requirements under normal use conditions..

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:

Tightly fitting safety glasses.



Safety Data Sheet

According to EC 1907/2006

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 5/9

MSDS code: MSDS1585

9 Physical and Chemical Properties

General Information

Form:	Liquid
Colour:	Clear, Colorless - Yellow
Odour:	Characteristic

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	1.285 g/cc
Solubility in / Miscibility with Water:	Fully miscible
pH-value:	pH (%1 soln.)=12.6

10 Stability and Reactivity

Conditions to be avoided:

No decomposition if used according to specifications.

Incompatible materials: Acids.

Hazardous decomposition products:

No dangerous decomposition products known under normal storage and usage conditions.

11 Toxicological Information

Acute toxicity and sensibility

Acute toxicity:

Based on the toxicological classification the LD50 (oral) is estimated to be 200-2000 mg/kg.

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

Skin contact: Causes severe burns.

Eye contact: Causes severe or permanent damage.

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 6/9

MSDS code: MSDS1585

Inhalation: Severe irritant, may cause pulmonary oedema.**Ingestion :** Causes severe 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

General notes:

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:** Must not be disposed together with domestic waste. Must not reach sewage water or drainage ditch undiluted or unneutralized.**European waste catalogue** 20 01 15: alkalines.**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)

ADR/RID Class:

8: Corrosive substances.

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 7/9

MSDS code: MSDS1585

Kemler Number: 80
UN Number: 1814
Packaging group: II
Label: 8
Proper Shipping Name: 1814 POTASSIUM HYDROXIDE, SOLUTION

Maritime transport IMDG:

IMDG Class: 8
UN Number: 1814
Label: 8
Packaging group: II
EMS Number: F-A, S-B
Marine pollutant: No.
Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8
UN/ID Number: 1814
Label: 8
Packaging group: II
Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION

Transport/Additional information:

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

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 8/9

MSDS code: MSDS1585

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:

Potassium hydroxide

Risk phrases:

35 Causes severe burns.

Safety phrases:

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.

36/37/39 Wear suitable protective clothing, gloves 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.



Safety Data Sheet

According to EC 1907/2006

Product name : **CLAX GAMMA 1BL1**

Preparation Date : 11.01.2011

Revision Date: 11.01.2011

Version: 4

Page: 9/9

MSDS code: MSDS1585

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

R22 Harmful for health if swallowed.

R35 Causes severe burns.

International References:

Department issuing material safety data sheet:

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

MSDS code: MSDS1585

Version: 4

Contact: Diversey LTC (Local Technical Centre), Turkey

Issued By English (06.11.2012):

Bülent Özdemir / **CRAD** Çevre Risk Analiz Denetim ve Eğitim Hizm. Ltd.Şti.

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

www.crad.com.tr

Tel: +90 216 335 4600