

**SECTION 1: Identification of the substance/mixture and of the company under taken****1.1 Product identifier**

Name: LLL

Product code : 41010070

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

A caustic detergent for use in automatic washers. Not for use by manual methods

**1.3 Details of the supplier of the Safety Data Sheet**

Supplier Getinge Life Science France

Street address/P.O. Box Etablissement de Tournefeuille  
30 Boulevard de l'Industrie – ZI Pahin Concerto

Country ID/Postcode/Place 31170 Tournefeuille - France

Telephone number +33 (0)5 61 15 11 11

Fax number +33 (0)5 61 15 16 16

Email [lancersite@getinge.com](mailto:lancersite@getinge.com)

**Australian Supplier**

Street Address Getinge Australia Pty Ltd  
Level 7, 4 Help Street  
Chatswood NSW 2067

Telephone number 1800 438464  
Email sales.au@getinge.com

**New Zealand Supplier**

Street Address Getinge Australia Pty Ltd (NZ Branch)  
Ground Floor, Unit D, Building A  
Millennium Center  
600 Great South Road  
Ellerslie Auckland 1051

Telephone number 0800 1 438 4643  
Email sales.nz@getinge.com

**1.4 Emergency telephone number**

Only available during office hours: 844892 011

Only available during the following office hours: 24h/24

**Australia**

Poisons Information Centre:

+61 2 8014 4558 (24h)

13 11 26 24h)

**New Zealand:**

National Poisons Center

+64 9 272 9039 (24h)

0800 764 766 (24h)

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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]**

Health Hazards: Skin Corr. 1A H314

**2.2 Label elements**

*Labelling according to Regulation (EC) No 1272/2008 [CLP]*

Hazard pictograms:



Signal word: Danger

Hazard/precautionary statements:

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H290	May be corrosive to metals
P260	Do not breathe mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+ P330+P 331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P405 Store locked up.

### 2.3 Other hazards

None identified.

## SECTION 3: Composition/information on ingredients

CAS No	EC No	Index No.	REACH Reg.No.	% [weight]	Name	Classification Acc. To Regulation (EC) No1278/2008 (CLP).
1310-73-2	215-185-5	011-002-00-6	Not applicable	<5%	Sodium hydroxide	Specific concentration limits Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.

Skin contact: Remove contaminated clothing, wash skin with water and seek medical attention immediately.

Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.

Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

### 4.2 Most important symptoms and effects, both acute and delayed

Eye hazard: Causes burns.

Skin hazard: Causes severe burns.

Respiratory hazard: Breathing spray mist will cause irritation.

Other hazards:

### 4.3 Indication of any immediate medical attention and special treatment needed

No special treatment or attention required additional to section 4.2.

**SECTION 5: Firefighting measures**

Flammability hazard: Not combustible.

**5.1 Extinguishing media**

No special requirements. As appropriate for the fire.

**5.2 Special hazards arising from the substance or mixture**

No specific hazards arising from the mixture.

**5.3 Advice for firefighters**

No special measures arising from the mixture.

**SECTION 6: Accidental release measures.****6.1 Personal precautions, protective equipment and emergency procedures**

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8  
Spillage may make floors slippery. Keep the area clear. Observe regulations.

**6.2 Environmental precautions**

Prevent spills from entering water courses.

**6.3 Methods and material for containment and cleaning up**

Small quantities flush to foul sewer with a large quantity of water.  
Large quantities contain and absorb or pump into suitable containers for disposal.

**6.4 Reference to other sections**

Observe the advice given in sections 8 and 13.

**SECTION 7: Handling and storage**

Shelf life: 24 months in original sealed containers.

**7.1 Precautions for safe handling**

Do not mix with other products. Observe good industrial hygiene.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry place protected from frost and away from acids and strong oxidizing agents.  
Store upright in original containers.  
Recommended storage temperature 5-25°C.

**7.3 Specific end use(s)**

For machine use only- not for use by hand.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Workplace exposure limits

Sodium hydroxide

2mg/m<sup>3</sup>

WEL 15 min STEL (UK EH40)

*Material Safety Data Sheet***8.2 Exposure controls**

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection: Wear eye protection appropriate to the process according to BS EN 166.  
Hand protection: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.  
Body protection: As necessary to prevent contact.  
Respiratory protection: Avoid breathing spray mist, wear a protective mask to EN149 if necessary.

Other protection:

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance:	Pale straw liquid	
Odour:	Mild, characteristic.	
pH (typical):	11.8 1% in water (typical).	
Initial boiling point:	>100°C.	Flash point: Not applicable.
Auto-ignition temperature:	Not applicable.	Viscosity: Free flowing.
Explosive properties:	Not applicable.	
Oxidising properties:	Not applicable.	
Vapour pressure:	17.5mm Hg at 20°C.	
Solubility:	Miscible with water	
Relative density at 20°C (typical):	1.135	

**9.2 Other information**

Not measured

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**SECTION 10: Stability and Reactivity****10.1 Reactivity**

Incompatible with oxidising agents, acids and alkali sensitive metals such as aluminum.

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

No hazardous reactions are expected to occur.

**10.4 Conditions to avoid**

Extremes of temperature.

**10.5 Incompatible materials**

Incompatible with oxidising agents, acids and alkali sensitive metals such as aluminium.

**10.6 Hazardous decomposition products**

None known.

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/ irritation:	Mixture is classified as Skin Corr. 1B. See section 2.
Serious eye damage/ irritation:	Mixture is classified as Eye Dam. 1. See section 2.
Respiratory or skin sensitisation:	Does not contain any ingredients classified as sensitising
Germ cell mutagenicity:	Does not contain any ingredients classified as mutagenic
Carcinogenicity:	Does not contain any ingredients classified as carcinogenic.
Reproductive toxicity:	Does not contain any ingredients classified as toxic for reproduction.
STOT single exposure:	Does not contain any ingredients classified as STOT SE.
STOT repeated exposure:	Does not contain any ingredients classified as STOT RE.
Aspiration toxicity:	Does not contain any ingredients classified as Asp Tox.

**Routes of exposure/ symptoms**

Eye contact:	Causes burns.
Skin contact:	Causes severe burns.
Inhalation:	Breathing spray mist may cause irritation.
Ingestion:	Moderate toxicity, will cause irritation and damage to gastro-intestinal tract due to acidity.

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**SECTION 12: Ecological information****12.1 Toxicity**

Not classified as dangerous for the environment/aquatic toxicant.

**12.2 Persistence and degradability**

All organic ingredients are biodegradable when well diluted.

**12.3 Bioaccumulative potential**

Not expected to bioaccumulate.

**12.4 Mobility in soil**

This product has high water solubility

**12.5 Results of PBT and vPvB assessment**

Contains no ingredients classified as PBT or vPvB.

**12.6 Endocrine disrupting properties**

No known endocrine disrupting properties.

**12.7 Other adverse effects**

No other adverse effects are anticipated.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Process effluent can normally be discharged to foul sewer (subject to consent limits).

Large quantities, dispose via a licensed chemical waste contractor.

Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

**SECTION 14: Transport Information****14.1 UN number:**

1719

**14.2 UN proper shipping name:**

Caustic alkali liquid, n.o.s

**14.3 Transport hazard class(es):**

8

**14.4 Packing group:**

II

**14.5 Environmental hazards:**

Not classified as environmentally hazardous.

**14.6 Special precautions for user**

No specific precautions.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not available for bulk transport.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the mixture**

Contents according to (EC) regulation No.648/2004 on detergents: none

**15.2 Chemical Safety Assessment**

A chemical safety assessment has not been carried out.

**SECTION 16: Other information**

Hazard statements relating to ingredients (see section 3)

*Material Safety Data Sheet*

H314

: Causes severe skin burns and eye damage

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II.

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