

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: LAUNDRY LIQUID
Product Code: LL5L, LL20
Product DG Class: NOT REGULATED
Version: 1.2
Revision Date: August 2014 (Reviewed and revised by A.J.Haggerty. - Refer to Section 16: Other Information)

Description

Laundry Liquid is a general biodegradable laundry product. It is also designed to be gentle enough to use on woolen and delicate fabrics.

Contact Details

Kyle Chemicals
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**Poisons Information Centre
New Zealand
Telephone 0800 764 766**

Chemical Details

Chemical Name: Laundry Liquid.
Chemical Classification: Corrosive Alkali.
Chemical Formula: No Data Available.

Section 1 Notes: This Material Safety Data Sheet may not provide exhaustive guidance for all HASNO Controls assigned to this substance. The EPA website www.epa.govt.nz should be consulted for a full list of triggered controls and cited regulations.

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Entity</u> | <u>C.A.S. No</u> | <u>HSNO Classification</u> | <u>Proportion % WT</u> |
|---------------------------------------------|------------------|------------------------------------|------------------------|
| Sodium Hydroxide | 1310-73-2 | 6.1D, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C | 0.5 - 0.9 |
| Linear Alkyl Benzene Sulphonic Acid (LABSA) | 68584-22-5 | 6.1D, 8.1A, 8.2C, 8.3A, 9.1D | 5 - 8 |
| Alcohols, C10 - 16 Ethoxylated (24-7.8) | 68002-97-1 | 6.1D, 6.3A, 8.3A, 9.1A | 12 - 18 |
| Alcohols, C10 - 16 Ethoxylated (24-3) | 68002-97-1 | 6.1D, 6.3A, 8.3A, 9.1A | 1.5 - 2.5 |
| Lauryl Dimethyl Amine Oxide | 1643-20-5 | 6.1E, 6.3A, 8.3A, 9.1A | 0.5 - 1.5 |

Non hazardous ingredients and water make product to 100%.

HSNO classification of the substance

6.1D (Oral) Substances that are acutely toxic - Harmful, 6.3B Substances that are mildly irritating to the skin, 8.2B Substances that are corrosive to dermal tissue, 8.3A Substances that are corrosive to ocular tissue, 9.1D (Fish & Crustaceans) Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action, 9.3B Substances that are ecotoxic to terrestrial vertebrates.





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3. HAZARDS IDENTIFICATION

| | |
|--------------------------------|------------------------------|
| Emergency Overview: | Irritating to eyes and skin. |
| Carcinogenicity: | Not Carcinogenic. |
| Acute Health Hazards: | Not considered harmful. |
| Chronic Health Hazards: | Not considered harmful. |

Potential Health Effects

| | |
|--------------------------|------------------------------------------------------------------------------------|
| Eyes: | May cause irritation to eye(s). |
| Skin: | On prolonged contact may cause irritation due to a "Defatting" effect on the skin. |
| Ingestion (Oral): | Not considered harmful. |
| Inhalation: | Not considered harmful. |

4. FIRST AID MEASURES

| | |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Physicians or First Aiders: | This product is a weak corrosive alkali. Treat symptomatically based on judgment of doctor and individual reactions of the patient. |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|

Directions

| | |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Eyes: | If splashed in eye(s), remove contact lenses if worn and irrigate eyes with running water for fifteen minutes. Seek medical attention. |
| Skin: | Wash area affected with running water. Seek medical attention if irritation develops. |
| Ingestion (Oral): | Give a glass of water or milk to drink and do Allow vomiting to occur. Seek medical attention. |
| Inhalation: | Not considered harmful. |

5. FIRE FIGHTING MEASURES

| | |
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| Extinguishing Media: | Product is a non-flammable liquid. In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. |
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6. ACCIDENTAL RELEASE MEASURES

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|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accidental Release Measures: | Contain large spills by absorbing with sand or earth. Store contained spill in clearly labelled drum for disposal. Wash small spills down with water. |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

7. HANDLING AND STORAGE

| | |
|------------------------------|------------------------------------------------------------------------------------------------------|
| Handling and Storage: | Store in a cool dry and secure area. Keep out of reach of children. Do not mix with other chemicals. |
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|-------------------------|-----------------------------------------------------------------------|
| Ventilation: | Not considered harmful. |
| Eye Protection: | It is recommended that eye protection be worn. |
| Skin Protection: | It is recommended that rubber gloves and protective clothing be worn. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------------|--------------------------|
| Appearance: | Dark blue viscous liquid |
| Odor: | No Data Available |
| Physical State: | Liquid |
| Ph As Supplied: | 7.5 |
| Specific Gravity: | 1.06 |
| Flash Point: | No Data Available |
| Boiling Point: | 100°C |
| Solubility in Water: | Miscible |
| Viscosity (at 20 0^c): | No Data Available |

10. STABILITY AND REACTIVITY

No Data Available

11. TOXICOLOGICAL INFORMATION

Toxicological Health Effects

| | |
|--------------------------|------------------------------------------------------------------------------------|
| Eyes: | May cause irritation to eye(s). |
| Skin: | On prolonged contact may cause irritation due to a "Defatting" effect on the skin. |
| Ingestion (Oral): | Not considered harmful. |
| Inhalation: | Not considered harmful. |

12. ECOLOGICAL INFORMATION

No Data Available.

13. DISPOSAL CONSIDERATIONS

Empty packaging should be disposed of in accordance with local and state regulations or recycled at an approved facility. Refer to waste management authorities for disposal of the contents or through a licensed waste contractor.



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14. TRANSPORT INFORMATION

| | |
|-----------------------|----------------|
| Proper Shipping Name: | NOT REGULATED. |
| Technical Name: | NOT REGULATED. |
| Class - Primary: | NOT REGULATED. |
| UN No: | NOT REGULATED. |
| Hazchem Code: | NOT REGULATED. |
| Flash Point: | NOT REGULATED. |
| Packing Group: | NOT REGULATED. |

15. REGULATION INFORMATION

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|----------------|--------------------------------------------------------------------------------------------|
| HSNO Act 1996: | HSNO Approval Number HSR002530. Cleaning Products (Subsidiary Hazard) Group Standard 2006. |
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Response Plans and Secondary Containment (Trigger Quantities)

| | |
|------------------------|--------------------------------------------------------------|
| 100 L or 100 kg: | HSNO: 9.1A substance. |
| 1,000 L or 1,000 kg: | HSNO: 6.1D, 6.5A, 6.5B, 6.7A, 8.2B, 9.1B, OR 9.1C substance. |
| 10,000 L or 10,000 kg: | HSNO: 9.1D, 8.3A, 6.6A, 6.8A, or 6.9A substance. |

Signage (Trigger Quantities)

| | |
|------------------------|--------------------------------------------------|
| 100 L or 100 kg: | HSNO: 9.1A substance. |
| 250 L or 250 kg: | HSNO: 8.2B substance |
| 1,000 L or 1,000 kg: | HSNO: 6.1D, 6.5A, 6.5B, 9.1B, OR 9.1C substance. |
| 10,000 L or 10,000 kg: | HSNO: 9.1D, 8.3A, 6.6A, 6.8A, or 6.9A substance. |

16. OTHER INFORMATION

Disclaimer:

The information contained herein has been provided in good faith, compiled by Kyle Chemicals, from sources it considers reliable and, is accurate to the best of Kyle Chemicals knowledge. Before using the product identified hereon, the foregoing MSDS and product label should be read carefully. The information contained herein relates only to the product identified hereon, and does not relate to its use in combination with any other material or in any process.

Customers are encouraged to conduct their own tests concerning the uses of the product identified hereon as each customer's manner and conditions of use and handling may involve additional considerations.

Kyle Chemicals assumes and shall incur no liability for any damages, losses. Injuries, costs, or consequential damages that may result from the use or misuse of the product identified hereon, and the recipient assumes all of such liability.

The classifications in this SDS have been reviewed and revised by our Consultant: A.J.Haggerty