

# Material Safety Data Sheet Norsan Liquid

## Section 1. Identification

**Product Name:** NORSAN LIQUID

**Recommended Use:** Warewash Cleaner Sanitiser

**Supplier:** Genesis Industrial Pty Ltd, 4/25 Transport Avenue, Paget 4740 **Phone No:** 07 49522608

**Emergency Phone No - 13 11 26 – Poisons Information Centre**

## Section 2. Hazards Identification

Classified as hazardous according to the Office of Australian Safety & Compensation Council (ASCC) criteria

Dangerous Goods Class 8 - Corrosive

Risk Phrases      Safety Phrases

R35:                Causes severe burns

S37:                Wear suitable Gloves

R41:                Risk of serious damage to eyes

S39:                Wear eye/face protection



## Section 3. Composition Information

| Ingredient Name               | CAS No    | Proportions            |
|-------------------------------|-----------|------------------------|
| Non Hazardous                 |           | Not applicable to 100% |
| Potassium Hydroxide           | 1310-58-3 | 0 - 10%                |
| Tetra Potassium Pyrophosphate | 7320-34-5 | 0 – 10%                |
| Sodium Hypochlorite 10.0%     | 7681-52-9 | 0 – 10%                |

## Section 4. First Aid

**Swallowed:** Give water or milk to drink. DO NOT induce vomiting.

**Eyes:** Irrigate immediately with copious amounts of water for at least 15 minutes, holding eyelids open.

See a doctor.

**Skin:** Immediately wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use.

**Inhalation:** Remove victim from exposure, to fresh air. Seek medical advice.

## Section 5. Fire Fighting Measures

**Extinguishing Media:** Use extinguishing media suited to the materials that are burning; eg: dry chemical, CO<sub>2</sub> or water spray. Hazards from Combustion Products: Carbon dioxide, carbon monoxide, and other toxic gases may be produced in the case of fire. Precautions for Firefighters & Special Protective Equipment: Firefighters should wear full protective clothing including self contained breathing apparatus & chemical splash suit. Ensure no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.

## Section 6. Accidental Release Measures

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Cover with damp absorbent material (inert material, sand or soil). Sweep up, but avoid generating dust. Collect and seal in properly labelled drums for disposal.

## Section 7. Handling and Storage

**Storage:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from strong acids and moisture. Keep containers closed at all times – check regularly for spills.

## Section 8. Exposure Controls and Personal Protection

**Exposure Limits:** A time weighted average (TWA) concentration for an 8-hour day and 5-day week has not been established by ASCC for any of the major ingredients in this product.

**Engineering Measures:** Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling dusts. Keep containers closed when not in use.

**Ingredient Name CAS No ES-TWA ES-STEL** Potassium Hydroxide 1310-58-3 2mg/m<sup>3</sup> not available

### Personal Protective Equipment:

**Eye/Face Protection:** Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

**Skin Protection:** Nitrile or rubber gloves should be used to prevent skin contact. **Respiratory Protection:**

Respirator is not usually necessary unless the product is being used in a confined area. Use a suitable respirator for particulates & alkaline.

## Section 9. Physical and Chemical Properties

|                         |                  |                            |                |
|-------------------------|------------------|----------------------------|----------------|
| <b>Appearance:</b>      | Liquid           | <b>Colour:</b>             | Clear          |
| <b>Vapour Pressure:</b> | Not determined   | <b>Specific Gravity:</b>   | 1.09           |
| <b>Flashpoint:</b>      | Not determined   | <b>Flammability Limits</b> | Not determined |
| <b>Solubility:</b>      | Soluble in water | <b>pH:</b>                 | 13.0 – 14.0    |

## Section 10. Stability and Reactivity

**Chemical Stability:** Stable under normal ambient storage conditions.

**Conditions to Avoid:** Avoid high temperatures (store below 30°C). Protect against physical damage.

**Incompatible Materials:** None known. Do not mix with other chemicals.

**Hazardous Decomposition Products:** None known

**Hazardous Reactions:** None known.

## Section 11. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled and over exposure occurs are: **Acute Effects Ingestion:** Swallowing in small amounts is unlikely to cause any adverse effects. Larger doses may produce diarrhoea. **Eye:** May be an eye irritant. **Skin:** Prolonged or repeated skin contact can cause skin irritation and defatting. **Inhalation:** Inhalation of vapour and mist can cause headache, nausea, irritation of nose, throat and lungs. **Toxicity Data** Potassium Hydroxide LD<sub>50</sub> 273mg/kg (Oral, rat) RTECS TT2100000 Sodium Hypochlorite LD<sub>50</sub> 8910mg/kg (Oral, rat) TKPP LD<sub>50</sub> 4100mg/kg (Oral, rat)

## Section 12. Ecological Information

Ecotoxicity: Not known Persistence & Degradability: Not known

## Section 13. Disposal Considerations

**Disposal Method:** Refer to State/Territory Land Waste Management Authority. Normally suitable for disposal at approved land waste site.

## Section 14. Transport Information

**Road and Rail Transport:** Classified as a Dangerous Good by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

**UN Number 1824 UN Proper Shipping Name** Potassium HYDROXIDE SOLUTION

**Class & Subsidiary Risk** 8 - Corrosive

**Packing Group** II

**Special User Precautions** not applicable

**Hazchem Code** 2R

## Section 15. Regulatory Information

**Poisons Schedule (SUSDP):** schedule 6 – POISON All ingredients are listed in the Australia Inventory of Chemical Substances (AICS)

## Section 16. Other Information

*This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

**Contact Person/Point** Genesis Industrial Pty Ltd, Technical Manager

MSDS Date: 17<sup>th</sup> January 2014.