

## Material Safety Data Sheet

### Section 1. Chemical product and company identification

**Trade name:** Rhima Wash (Welson Gleam)  
**Supplier:** Welson Chemicals Ltd.  
**Address:** No.71Xinzhuang 2Lu, Yonghe Economic of Getdd Guangzhou, China  
**Tel/Fax:** Tel: (86)20-82974646 Fax: (86)20-82974639  
**Website:** [www.welsonchemicals.com](http://www.welsonchemicals.com)  
**Distributor :** Rhima Singapore Pte Ltd Tel: (65) 91078943  
**Emergency information:** Welson Chemicals Ltd. Tel: (86) 15920394514  
**Recommended Use** Non chlorine Machine Dish Wash Detergent

### Section 2. Hazards identification

#### Hazard Classification

HAZARDOUS SUBSTANCE.

DANGEROUS GOODS.

#### Risk Phrase

R35 causes severe burns.

#### Safety Phrases

S2 Keep out of reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and Seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

S45 In case of accident or if you feel unwell seeks medical advice immediately.

### Section 3. Composition, information on ingredients

Chemical Name	Liquid % by weight	CAS Number
Sodium hydroxide	6-15	1310-73-2
Sodium polyacrylate	4-10	9003-04-7

### Section 4. First aid measures

#### Inhalation

Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

#### Ingestion

Do NOT induce vomiting. Give a glass of water to be taken slowly. Seek immediate medical attention.

#### Skin

Remove all contaminated clothing and wash affected area with plenty of water.

**Eye**

Hold eye open and flood with running water for at least 15 minutes, bathe eyes with soothing eye drops or sterile saline, seek medical attention.

**First Aid Facilities**

Eye wash station and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically as for strong alkali. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted.

**Section 5. Fire-fighting measures**

**Suitable Extinguishing Media**

Use extinguishing media appropriate to surrounding fire.

**Hazards from Combustion Products**

Water vapour, carbon dioxide, oxides of nitrogen.

**Specific Methods**

In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.

**Specific Hazard**

Not a fire hazard. Not an explosion hazard.

**Hazchem Code**            2X

**Section 6. Accidental release measures**

**Spills & Disposal**

Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance. Spillages will be very slippery. Contain large spills with an inert material such as sand, soil or vermiculite. Collect and seal in properly labeled containers for disposal. Small spills may be mopped up. If local regulations permit, wash down area with excess water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to Container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapour.

**Section 7. Handling and storage**

**Conditions for Safe Storage**

Store in a cool place, out of reach of children. Large quantities should be stored in banded dangerous goods store. Store in original container. Keep container tightly closed. Keep away from acids. Keep away from ammonium salts.

Keep away from aluminum, tin, zinc and galvanized iron. Prevent long contact with glass surfaces. Protect from physical damage. Clean up all spills and splashes promptly, avoid secondary accidents.

### Section 8. Exposure controls, personal protection

#### Engineering Control

Do not use on aluminum, tin, zinc or galvanized iron. Consider local laws  
Mechanical exhaust/extraction to keep airborne contamination below TLV.

#### Personal Protective Equipment

Wear rubber or plastic gloves, waterproof footwear and eye protection. If risk of splashes into eyes, wear safety glasses with side shields. Avoid breathing Fumes or spray/mist. Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

### Section 9. Physical and chemical properties

<b>Form:</b>	Liquid
<b>Appearance</b>	Colourless to slight yellow
<b>Odour</b>	Odourless liquid.
<b>Boiling Point</b>	No data
<b>Solubility in water</b>	Miscible with water in all proportions.
<b>Specific gravity</b>	1.05~1.15
<b>pH value</b>	12.0~13.5
<b>Flash point</b>	none
<b>Flammability</b>	Not flammable

### Section 10. Stability and reactivity

#### Chemical Stability:

Stable under normal use conditions.

#### Conditions to Avoid

Heat, flames, ignition sources and incompatibles.

#### Incompatible Materials

Strong acids, oxidizing agent, ammonium salts, soft metals.

#### Hazardous Decomposition

Contact with aluminum, tin, zinc, or galvanized iron can generate hydrogen, a flammable gas. Contact with ammonium compounds can generate ammonia, a poisonous gas. Will react vigorously or violent with acids.

### Section 11. Toxicological information

#### Toxicology

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

#### Inhalation

Inhalation of mist of the solution will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.

#### Ingestion

Corrosive. Causes burns to mouth and throat, nausea, vomiting, abdominal pains and diarrhea (occasionally bloody). Can also cause swelling of the larynx and suffocation, per

foration of stomach and intestines with constrictive scarring, heart failure and coma.

**Skin**

Corrosive to skin- may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contamination of gloves and footwear.

Repeated or prolonged contact may lead to irritant contact dermatitis.

**Eye**

Corrosive, causes severe irritation and corneal burns. May cause blindness.

**Chronic Effects**

Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

**Acute Toxicity Oral**

Sodium hydroxide: LD50 500mg/kg oral, rabbit

**Section 12. ECOLOGICAL INFORMATION**

**Eco toxicity** this product is corrosive and poisonous in large quantities in the aquatic environment.

**Mobility** readily dilutes with water.

**Environ. Protection Avoid** contaminating waterways, drains, sewers, or ground.

**Section 13. Disposal considerations**

**Waste disposal:**

Refer to appropriate authority in your state. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

**Section 14. Transport information**

**Transport** classified as a Class 8 Dangerous Good.

**Information**

Incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7. Store away from acids.

**U.N Number** 1823

**Proper Shipping Name** CAUSTIC ALKALI LIQUID,

**Dangerous Goods** Class 8

**Hazchem Code** 2X

**Packaging Method** 3.8.8

**Packing Group** II

**EPG Number** 8A1

**IERG Number** 37

**Section 15. Regulatory information**

**Poisons Schedule** S6

**Hazard Category** Corrosive

<b>Section16. Other information</b>
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Supplier: Welson Chemicals Ltd.

No. 71Xinzhuang 2Lu, Yonghe Economic of Getdd, Guangzhou, China

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**Other Information:** This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle use the product in the workplace. Please refer to the technical datasheet (instructions for use ), and the label on the drum .The company cannot anticipate or control the individual working conditions, encountered and so each user should read this MSDS carefully, and if in doubt ring the contact point number given above.