

# Material Safety Data Sheet

## Section 1. Chemical product and company identification

Trade name: AC101  
Product use: heavy-duty CIP alkaline detergent  
Supplier: Welson Chemicals Ltd.  
No.71Xinzhuang 2Lu,Yonghe Economic of Getdd Guangzhou,China  
Tel:(86)20-82976698  
Website: [www.welsonchemical.com](http://www.welsonchemical.com)  
Informing department: Welson Chemicals Ltd. Tel:(86)20-82976698

## Section 2. Composition, information on ingredients

Name	% by weight	CAS Number
sodium hydroxide	20-50	1310-73-2

## Section 3. Hazards identification

Physical State: Liquid  
Overview: Irritating to eyes and skin, avoid splashing in eyes and inhaling vapors, maintain air circulation during use, tighten cap and wash hands after use.  
Route of Entry: Skin and eye contact, inhalation, oral ingestion.  
Health Hazards:  
Eyes: Irritation of eyes  
Skin: Irritation of skin  
Inhalation: Slightly irritating to respiratory system  
Oral: unknown  
Refer to Part XI: Toxicological Information

## Section 4. First aid measures

Eye contact: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.  
Skin contact: Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.  
Ingestion: Rinse mouth then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.

## Section 5. Fire-fighting measures

Auto-ignition temperature: Not available

Flash point: Not available  
Product does not support combustion.

Flammable limits

Upper: Not available

Lower: Not available

Products of combustion: Not available

Fire-fighting media and Instructions:

In case of fire, use water spray (fog), foam, dry chemical, or CO<sub>2</sub>.

Dyke liquid for later disposal.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

#### **Section 6. Accidental release measures**

Personal precautions: Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Do not allow to enter drains or watercourses.

Environmental Precautions: Avoid dispersal of spilt material and run off and contact with soil, water ways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, water ways, soil or air).

Methods for Cleaning up: If emergency personnel are unavailable, contain spilt material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure run off does not reach a waterway. Please spilt material in an appropriate container for disposal.

#### **Section 7. Handling and storage**

Handling: Do not ingest. Avoid contact with eyes, skin and clothing. Do not breathe vapour or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage: Keep out of the reach of children. Store in a segregated and approved area. Keep container a cool well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame)  
Store between the following temperatures: 10~50°C

#### **Section 8. Exposure controls, personal protection**

Engineering measures: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker

exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits.

Personal protection:

Eye: Eye protection recommended.

Hands: For prolonged or repeated handling, use the following type of gloves:  
Impervious gloves.

Skin: No protective equipment is needed under normal use conditions.

Respiratory: Avoid breathing vapours, spray or mists.

### **Section 9. Physical and chemical properties**

Status: Liquid

Color: colorless or light yellow

Odor: Slight odor

pH value: 12.0 ~ 14.0

Boiling point: >100° C

Melting point/freezing point: unknown

Specific gravity: 1.15~1.25

Dispersibility: easily dispersed in hot and cold water

Solubility: easily dissolved in hot and cold water

### **Section 10. Stability and reactivity**

Stability: The product is stable

Conditions of instability: Not available

Reactivity: Not available

Hazardous Decomposition: Not available

### **Section 11. Toxicological information**

Acute toxicity: No data for the preparation available.

Primary irritant effect:

On the skin: Strong caustic effect on skin and mucous membranes.

On the eye: Strong caustic effect.

Sensitization: No sensitizing effect known.

Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

### **Section 12. ECOLOGICAL INFORMATION**

Untreated products poured into water may have an effect on fish, water plants and other organisms.

### **Section 13. Disposal considerations**

Prevent waste from polluting water and soil, consult local authorities for details.

**Section 14. Transport information**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
TGD Classification	1823	sodium hydroxide	82001	052	--

**Section 15. Regulatory information**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

**Section 16. Other information**

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