

# Material Safety Data Sheet

## Section 1. Chemical product and company identification

Trade name: AC30  
Product use: CIP acid 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
nitric acid	25—45	7697-37-2

## 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: Lift eyelids, flush with running water or saline for at least 15 minutes, seek medical attention.  
SKIN CONTACT: Remove contaminated clothing, flush skin with running water for at least 15 minutes, seek medical attention.  
INHALATION: Remove quickly from scene to fresh air. Keep airway open. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration immediately. Seek medical attention.  
INGESTION: Rinse mouth with water and give milk or egg white. Seek medical attention.

## 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**

Condition: transparent liquid  
 Color: colorless or light yellow  
 Odor: irritating odor  
 pH value (1% solution): 1.0 ~ 3.0  
 Boiling point: >100°C  
 Melting point/freezing point: unknown  
 Specific gravity: 1.17~1.21  
 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	2031	nitric acid	81002	052	--
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**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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