

## SAFETY DATA SHEET – PRODUCT NO. APEX-101 ECO ACID

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name / Trade Name</b>	<b>APEX-101 ECO ACID</b>
<b>Recommended Application</b>	Tank Cleaner , Descaler, Cement Remover
<b>Chemical Family</b>	Not available.
<b>Chemical Formula</b>	Not applicable
<b>Manufacturer / Supplier</b>	Apex Chemicals (S) Pte Ltd 132 Tuas South Avenue 2 West Point Bizhub, Singapore 637171 Tel : (65) 6483 5350 Fax : (65) 6483 5359 Email : <a href="mailto:apexchem@singnet.com.sg">apexchem@singnet.com.sg</a>
<b>Emergency Phone Number</b>	(65) 6483 5350 Or Call Fire / SCDF 995
<b>CAS #</b>	Mixture
<b>Current Revision Date</b>	29/5/2015

### 2. HAZARDS IDENTIFICATION



Pictograms:

GHS Label Elements, including precautionary statements:

Hazard Statements:

- H302 Harmful if swallowed.
- H313 May be harmful in contact with skin.
- H320 Causes eye irritation.

Precautionary Statements:

- P260 Do not breathe dust/fume/gas/mist/vapor/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Wear respiratory protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

% by Weight Legend : Less than 10% = L, 10 to 60% = M, 60 to 100% = H		
Name	CAS #	% by Weight
Water	7732-18-5	H
Other Non Hazardous Component	NA	M

### 4. FIRST AID MEASURES



**® APEX CHEMICALS (S) PTE LTD**

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TEL: 64835350 FAX: 64835359  
E-mail: apexchem@singnet.com.sg

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**Eye Contact** : Corrosive to eyes. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.

**Skin Contact** : Corrosive to skin. Remove contaminated clothing. Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Seek medical attention.

**Inhalation** : Get to fresh air. Seek medical attention if symptoms persist.  
**Ingestion** : Corrosive to mouth, throat and gastrointestinal system. Do not induce vomiting. Give large quantities of water or milk. Seek medical attention immediately.

**Immediate medical attention /special treatment** : Consult a doctor or poisons information center.

### 5. FIRE FIGHTING MEASURES

**Products of Combustion** Not available.  
**Fire Fighting Media and Instruction** Not applicable.  
**Special Remarks on Fire Hazards** Not applicable.  
**Special Remarks on Explosion Hazards** Not applicable .

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precaution/Protection** : In case of large spill, wear full suit, boots, gloves and face shield.

**Environmental Precautions** : Do not allow to enter watercourses by draining or impounding. If spillage does enter sewers or watercourses, immediately inform the appropriate water authorities.

**Methods and Materials For Containment and cleaning up** : Confine spill and stop leak at source. If possible, ventilate area and evacuate all non-essential personnel. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Dispose of absorbed residue as per local authority regulations requirement. Cautiously neutralize remainder with alkaline material and flush with water.

### 7. HANDLING AND STORAGE

**Precautions** : Ensure that eyewash station and safety shower is proximal to the workstation location. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapor/spray.

**Incompatibility Storage** : Strong alkalis, oxidizers, strong acids.  
Corrosive materials should be stored in a separate safety cabinet or room. Keep out of reach of children. This product should be stored AWAY from oxidizing materials and strong bases. Not for use or storage in or around the home.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



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<b>Engineering Control</b>	Good general ventilation should be sufficient to control airborne levels.
<b>Personal Protection</b>	
<b>Eyes:</b>	Splash goggles.
<b>Body:</b>	Long pants and long sleeves to avoid skin contact. Apron and boots.
<b>Respiratory:</b>	Wear appropriate respirator when ventilation is inadequate.
<b>Hands:</b>	Gloves (impervious).
<b>Hygiene recommendation:</b>	Keep an eyewash fountain available. Keep safety shower available.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear Liquid
<b>Odor</b>	Acidic Odor
<b>pH</b>	2
<b>Boiling/Condensation Point</b>	> 100°C
<b>Melting/Freezing Point</b>	Not applicable
<b>Flash Point</b>	None
<b>Evaporation Rate</b>	< 1 compared to water
<b>Flammability</b>	Product is not considered flammable
<b>Upper Explosive Limit (UEL)</b>	Not available
<b>Lower Explosive Limit (UEL)</b>	Not available
<b>Vapor Pressure</b>	< 20mmHg @ 68°F
<b>Vapor Density</b>	> 1 (Air =1)
<b>Relative Density</b>	1.18 – 1.28
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient (Octanol-Water)</b>	Not applicable
<b>Auto-Ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not applicable

### 10. STABILITY AND REACTIVITY DATA

<b>Stability</b>	: The product is stable under normal storage conditions
<b>Incompatibility with Various Substances</b>	: Strong alkalis, Oxidizers, Strong Acids, Reactive metals
<b>Hazardous Decomposition Products</b>	: Not available

### 11. TOXICOLOGICAL INFORMATION

**Routes of Entry** Absorbed through skin eye contact, inhalation or ingestion.

#### Acute Effects on Humans

<b>Eyes :</b>	Severe eye irritant. Liquid and mist may burn or injure the eyes.
<b>Skin :</b>	Severe skin irritant. Prolonged or repeated contact can cause chemical burns or dermatitis.
<b>Inhalation :</b>	May be irritating to the mucous membranes of the nose, throat and lungs.
<b>Ingestion :</b>	May be irritating or corrosive to the mouth and throat. Can cause nausea and vomiting.

**Chronic Effects on Humans** : Prolonged exposure may result in skin burns and ulcerations. Over-exposure by inhalation may cause respiratory irritation.

#### Toxicological Data



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**Acute Toxicity** : Not available

**Chronic Toxicity** : Not available

### 12. ECOLOGICAL INFORMATION

**Eco-toxicity** : Not available

#### **Products of Biodegradation**

Readily biodegradable

#### **Toxicity of the Products of Biodegradation**

Not available

### 13. DISPOSAL CONSIDERATIONS

**Waste Information** : Waste may be disposed off in accordance with federal, state and local environmental control regulation.

**Waste Stream** : Not available.

### 14. TRANSPORT INFORMATION

**UN Number** : Not Available

**UN Proper Shipping Name** : Not Available

**Transport Hazard Class(es)** : Not Available

**Packing Group** : Not Available

**Maritime Transportation** : Not available

**Special Provisions for Transport** : Not available

### 15. REGULATORY INFORMATION AND PICTOGRAMS

#### **Other Classifications**

**Risk Phrases**  
R34 : Causes burns  
R37 : Irritating to respiratory system

**Safety Phrases**  
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 : After contact with skin, wash immediately with plenty of water.  
S37/39 : Wear suitable gloves and eye/face protection.

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**16. OTHER INFORMATION**

**Last Revision Date Issued**      May 2015

**Contact Information**              Apex Chemicals (S) Pte Ltd  
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**NOTICE TO READER**

To the best of our knowledge, the information contained herein is believed to be accurate and reliable. It is the user's obligation to evaluate and use this product safely and comply with all applicable laws and regulations. The above-named supplier and its vendor makes no other warranty or representations of any kind or implied, concerning the product including no implied warranty of merchantability. The product is offered solely for your consideration, investigation and verification. No license or immunity under any patents is granted or implied.

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.