

# Safety Data Sheet

No : 430 CPC AdBlue Solution

Ver. 1.1

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL Product Name:CPC AdBlue Solution
Other name: AUS32 、 AdBlue Solution 、 AdBlue 、 NOx Reduction Solution 、 Urea Solution
Product Code:M 10080
Manufacturer Name: CPC Corporation Taiwan Lube Division. Address: 6F, 15, Cheng-Kung 2nd RD, Chen-Zerng District, Kaohsiung, 806, Taiwan, R.O.C. Telephone Number: 886-7-5361510
Emergency Telephone Number: 886-5-2224171 Ext. 7250 Fax Number: 886-5-2232062

## II. COMPOSITION, INFORMATION ON INGREDIENT Mixtures

Ingredients	CAS Number	% by wt.
Urea	CAS 57-13-6	31.8~33.2
Water	CAS 7732-18-5	66.3~68.2

## III. HAZARDS IDENTIFICATION

<p>1. Adverse Human Health Effects:</p> <ul style="list-style-type: none"><li>• Eye Contact: may cause irritation.</li><li>• Skin Contact : may cause irritation.</li><li>• Inhalation: may cause respiratory irritation.</li><li>• Ingestion: may cause stomach distress, nausea or vomiting .</li></ul> <p>2. Environmental Effects: Should not be released into the environment.</p> <p>3. Physical and Chemical Hazards: Contaminated surfaces will be extremely slippery.</p> <p>4. Specific Hazards: no information on significant adverse effects.</p>
Main Symptoms:



- Eye Contact : irritation.
- Skin Contact : irritation.
- Inhalation : respiratory irritation.
- Ingestion : stomach distress, nausea or vomiting .

**NFPA Ratings (Scale 0-4):** NFPA Health=1

#### IV. FIRST AID MEASURE

##### Emergency Procedures:

- \* Inhalation :  
Remove personnel from exposure area to fresh air immediately. If breathing is difficult, give oxygen. If breathing ceases, use an oxygen rescuer or similar device to perform artificial respiration. Get medical attention immediately.
- \* Skin Contact :  
Remove contaminated clothing, jewelry and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15 minutes). If irritation or adverse symptoms develop, seek medical attention.
- \* Eye Contact :  
Flush eyes immediately with running water for at least 20 minutes, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.
- \* Digestion :  
Do not induce vomiting and give a glass of water immediately. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention.

**Protection of First-aiders:** no information is available.

**Notes to Physician:** no information is available.

#### V. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Foam, carbon dioxide (CO<sub>2</sub>), dry powder (ABC) or water fog.

**Specific Hazards:** Incomplete burning and thermolysis can produce toxic gases such as carbon monoxide and/or carbon dioxide, Nitrogen oxides (NO<sub>x</sub>), Ammonia.

**Special Fire Fighting Procedures:**

1. Firefighters should wear proper protective equipment stay upwind.
2. Move container from fire area and shut off source if it can be done without risk.
3. Cool containers with water spray until well after the fire is out.
4. Avoid contaminated fire extinguishing water discharge into drains or watercourses or onto the ground.

## VI. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

1. Provide adequate ventilation.
2. Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery.

**Environmental Precautions:**

1. Contain spillage with sand, earth or other suitable non-combustible material.
2. Avoid discharge into drains or watercourses or onto the ground.
3. Local authorities should be advised if significant spillages cannot be contained.

**Methods for Cleaning Up:**

1. Avoid contact with the substance by using protective equipment.
2. Contain spillage with sand, earth or other suitable non-combustible material. Collect and place in suitable, labeled containers for disposal.
3. Flush contaminated area and prevent runoff into drains or waterways.

## VII. HANDLING AND STORAGE

**Handling:**

1. Use with adequate ventilation.
2. When handling, do not eat, drink or smoke.
3. Avoid contact with skin, eyes and clothing.

**Storage:**

1. Keep away from heat, sparks and flames.
2. Store in a tightly closed original container.
3. Store in a cool, dry, well-ventilated place.
4. Keep separated from incompatible substances.
5. Protect containers against physical damage.

**VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Engineering Control:**

Provide local exhaust ventilation system.

**Control Parameter:**

Ingredient	TWA	STEL	CEILING
Urea	--	--	--

**Personal Protection Equipment:**

- \* Respiratory Protection:  
None under normal use conditions. In case of concentrations above the exposure limit, use appropriate certified respirators.
- \* Hand Protection:  
Wear appropriate chemical resistant gloves.
- \* Eye Protection:  
Wear splashresistant safety goggles or face shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
- \* Skin and Body Protection:  
Wear suitable protective clothing as protection against splashing or contamination.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Liquid	Form: Clear liquid
Color: Colorless	Odor: Slight ammoniacal odor
pH: 8-10	Boiling Point/Range: 103°C

Decomposition Temperature: No data	Flash Point:Not available
Autoignition Temperature: No data	Flammable Limits: Notavailable
Vapor Pressure: No data	Vapor Density: No data
Specific Gravity:1.087-1.095g/cm <sup>3</sup> @ 20.0°C	Solubility: soluble in water

## X. STABILITY AND REACTIVITY

<b>Stability:</b> Stable at normal temperatures and pressure.
<b>Possible Hazardous Reactions:</b> None under normal processing.
<b>Conditions to Avoid:</b> Avoid extreme heat and fire.Avoid contact withincompatible material.
<b>Materials to Avoid:</b> Strong oxidizing agents. Hypochlorites. Nitrites.
<b>Hazardous Decomposition Products:</b> Ammonia.

## XI. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b> <ul style="list-style-type: none"> <li>* Inhalation: May cause respiratory irritation.</li> <li>* Skin Contact: May produce on contact skin redness and swelling.</li> <li>* Eye Contact: May produce eye discomfort causing smarting, pain and redness.</li> <li>* Ingestion: May lead to discomforting effects by inducing stomach distress, nausea or vomiting.</li> </ul>
<b>Chronic Toxicity:</b> Product can produce inflammation of the skin following prolonged and repeated exposures (contact with contaminated clothing).
<b>Other information:</b> None toxicity under normal processing.

## XII. ECOLOGICAL INFORMATION

**Toxicity:**

Toxicity to fish: LC<sub>50</sub> > 6810 mg/L/96h

Toxicity to aquatic invertebrates: EC<sub>50</sub>> 10000 mg/L/48h

**Persistence and degradability:** The product is biodegradable.

**Bioaccumulative potential:** Bioaccumulation is unlikely

**Mobility in soil:** The product is generally mobile in the ground.

**Other adverse effects:** None known.

**XIII. DISPOSAL CONSIDERATIONS**

**Subject to disposal regulations:**

1. Dispose in accordance with all applicable regulations.
2. Consult manufacturer for recycling options.
3. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**XIV. TRANSPORT INFORMATION**

Not regulated for transport of dangerous goods. (IMDG, IATA, ADR/RID)

**XV. REGULATORY INFORMATION**

**Suitable Regulations:**

All components comply with EINECS, TSCA, DSL, AICS, IECSC, ENCS and KECL.

**XVI. OTHER INFORMATION**

Reference Literatures	1. ISO 22241-International Organization for Standardization. 2. GHS- Occupational Safety and Health Administration , Ministry Of Labor, Executive Yuan,
Made By	CPC Corporation Taiwan Lube Division

Creation Date	Dec. 21 2020
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