



**Transfar  
Chemicals**

## Safety Data Sheet (SDS)

### COCAMIDOPROPYLAMINE OXIDE CAO

According to GB/T16483, GB/T17519, GHS

Version:5.1

SDS No.: SDS/CAO

Revision date: 2023.1.1

## Section 1 Chemical product and company identification

### 1.1 Product identifier

Product name(ENG)	COCAMIDOPROPYLAMINE OXIDE CAO
Product name(CHN)	椰油酰胺丙基二甲基氧化胺 CAO

### 1.2 Details of the supplier of the safety data sheet

Registered company name	Transfar Zhilian Co.,Ltd.
Address	Xiaoshan Economy & Technology Development Zone, Hang Zhou, Zhejiang, China
Telephone	0571-83781255
Fax	0571-82694738
Website	www.transfarchem.com
Email	gftch@etransfar.com

### 1.3 Emergency telephone number

Emergency telephone numbers	0571-83781255 (8:00-17:00)
Other emergency telephone numbers	0532-83889090 (NRCC)

### 1.4 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Suitable for all kinds of personal care products
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## Section 2 Hazards identification

### 2.1 Summary of hazard in an emergency situation

Liquid. Mixes with water.
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### 2.2 Classification of hazards

Classification	Not Applicable
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### 2.3 Label element

GHS label elements	Not Applicable
SIGNAL WORD	Not Applicable

### 2.4 Hazard statement(s)

Not Applicable

### 2.5 Precautionary statements

#### Precautions

Not Applicable

#### Incident response

Not Applicable



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**Safe storage**

Not Applicable

**Waste disposal**

Not Applicable

**2.6 Physical and Chemical Hazard**

Liquid. Mixes with water. Toxic smoke/fumes in a fire.

**2.7 Health Hazards**

<b>Inhaled</b>	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
<b>Ingestion</b>	Ingestion of the material may be damaging to the health of the individual.
<b>Skin Contact</b>	This material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or irritated skin should not be exposed to this material.
<b>Eye</b>	This material can cause eye irritation and damage in some persons.

**2.8 Environmental Hazards**

See Section 12

**2.9 Other hazards**

Cumulative effects may result following exposure.

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**Section 3 Composition/information on ingredients**

**3.1 Chemical properties**

Mixture

**3.2 Composition Information**

CAS No.	%[weight]	Name
68155-09-9	28.0-33.0	Cocamidopropylamine Oxide
7732-18-5	67.0-72.0	Aqua

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**Section 4 First aid measures**

**4.1 Description of first aid measures**

<b>Eye Contact</b>	If this product comes in contact with the eyes: <ul style="list-style-type: none"><li>● Wash out immediately with fresh running water.</li><li>● Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li></ul>
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	<ul style="list-style-type: none"><li>● Seek medical attention without delay; if pain persists or recurs seek medical attention.</li><li>● Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li></ul>
<b>Skin Contact</b>	If skin contact occurs: <ul style="list-style-type: none"><li>● Immediately remove all contaminated clothing, including footwear.</li><li>● Flush skin and hair with running water (and soap if available).</li><li>● Seek medical attention in event of irritation.</li></ul>
<b>Inhalation</b>	<ul style="list-style-type: none"><li>● If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li><li>● Other measures are usually unnecessary.</li></ul>
<b>Ingestion</b>	<ul style="list-style-type: none"><li>● Immediately give a glass of water.</li><li>● First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li></ul>

#### 4.2 Advise for rescue team (PPE requirement for rescue personnel)

Wear portable respiratory protective devices if get into the scene of the accident.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### Section 5 Firefighting measures

#### 5.1 Extinguishing media

<b>Fire extinguisher</b>	<ul style="list-style-type: none"><li>● Water spray or fog.</li><li>● Foam.</li><li>● Dry chemical powder.</li><li>● BCF (where regulations permit).</li><li>● Carbon dioxide.</li></ul>
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#### 5.2 Special hazards arising from the substrate or mixture

<b>Fire Incompatibility</b>	<ul style="list-style-type: none"><li>● Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.</li></ul>
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#### 5.3 Advice for firefighters

<b>Fire Fighting</b>	<ul style="list-style-type: none"><li>● Alert Fire Brigade and tell them location and nature of hazard.</li><li>● Wear full body protective clothing with breathing apparatus.</li><li>● Prevent, by any means available, spillage from entering drains or water course.</li><li>● Use water delivered as a fine spray to control fire and cool adjacent area.</li><li>● DO NOT approach containers suspected to be hot.</li><li>● Cool fire exposed containers with water spray from a protected location.</li><li>● If safe to do so, remove containers from path of fire.</li></ul>
<b>Fire/Explosion Hazard</b>	carbon dioxide (CO <sub>2</sub> ) other pyrolysis products typical of burning organic material. May emit corrosive fumes.



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## Section 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>Minor Spills</b>	<ul style="list-style-type: none"><li>● Clean up all spills immediately.</li><li>● Avoid contact with skin and eyes, by using protective equipment.</li><li>● Collect the leakage, place in a suitable, labelled container for waste disposal.</li></ul>
<b>Major Spills</b>	<ul style="list-style-type: none"><li>● Alert Fire Brigade and tell them location and nature of hazard.</li><li>● Use protective equipment to avoid contact with skin and eyes</li><li>● Contain spill with sand, earth or vermiculite.</li><li>● Collect recoverable product into labelled containers for recycling.</li><li>● Collect residues and seal in labelled drums for disposal.</li><li>● If contamination of drains or waterways occurs, advise emergency services.</li></ul>

Personal Protective Equipment advice is contained in Section 8 of the SDS.

### 6.2 Measures for Preventing Secondary Contamination

Refer to section above

### 6.3 Environmental precautions

See section 12

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## Section 7 Handling and storage

### 7.1 Precautions for safe handling

<b>Safe handling</b>	<ul style="list-style-type: none"><li>● Avoid all personal contact, including inhalation.</li><li>● Wear protective clothing when risk of exposure occurs.</li><li>● Use in a well-ventilated area.</li><li>● Prevent concentration in hollows and sumps.</li><li>● DO NOT enter confined spaces until atmosphere has been checked.</li><li>● Avoid smoking, naked lights or ignition sources.</li><li>● Avoid contact with incompatible materials.</li><li>● When handling, DO NOT eat, drink or smoke.</li><li>● Keep containers securely sealed when not in use.</li><li>● Avoid physical damage to containers.</li><li>● Always wash hands with soap and water after handling.</li><li>● Work clothes should be laundered separately.</li><li>● Use good occupational work practice.</li><li>● Observe manufacturer's storage and handling recommendations contained within this SDS.</li><li>● Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.</li></ul>
<b>Other information</b>	<ul style="list-style-type: none"><li>● Store in original containers.</li><li>● Keep containers securely sealed.</li></ul>



	<ul style="list-style-type: none"> <li>● No smoking, naked lights or ignition sources.</li> <li>● Store in a cool, dry, well-ventilated area.</li> <li>● Store away from incompatible materials and foodstuff containers.</li> <li>● Protect containers against physical damage and check regularly for leaks.</li> <li>● Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>
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**7.2 Conditions for safe storage, including any incompatibilities**

<b>Suitable container</b>	<ul style="list-style-type: none"> <li>● Metal can, plastic tank or drum</li> <li>● Packaging as recommended by manufacturer.</li> <li>● Check all containers are clearly labelled and free from leaks.</li> </ul>
<b>Storage incompatibility</b>	<ul style="list-style-type: none"> <li>● Avoid reaction with oxidising agents</li> </ul>

**Section 8 Exposure controls/personal protection**

**8.1 Control parameters**

**8.1.1 Occupational exposure limits (OEL)**

**Ingredient data**

Not Available

**Emergency limits**

Not Available

**8.2 Exposure controls**

<b>Appropriate engineering controls</b>	<p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant. Process controls which involve changing the way a job activity or process is done to reduce the risk.</p>
<b>Personal protection</b>	
<b>Eye and face protection</b>	<ul style="list-style-type: none"> <li>● Safety glasses with side shields.</li> <li>● Chemical goggles.</li> </ul>
<b>Skin protection</b>	See Hand protection below
<b>Hands/feet protection</b>	<ul style="list-style-type: none"> <li>● Wear chemical protective gloves, e.g. PVC.</li> <li>● Wear safety footwear or safety gumboots, e.g. Rubber</li> </ul>



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Body protection	See Other protection below
Other protection	<ul style="list-style-type: none"><li>● Overalls.</li><li>● P.V.C. apron.</li><li>● Eye wash unit.</li></ul>
Thermal hazards	Not Available

## Section 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Colorless to yellowish transparent liquid
Odour	Slight odour
Odour threshold	No data available
pH as a solution	6.0~8.0
Melting point / freezing point (°C)	No data available
Initial boiling point and boiling range (°C)	No data available
Flash point (°C)	No data available
Flammability	Not Applicable
Upper Explosive Limit (%)	No data available
Lower Explosive Limit (%)	No data available
Explosive properties	Not explosive
Vapour pressure (kPa)	No data available
Vapour density (Air = 1)	No data available
Relative density (Water = 1)	No data available
Solubility in water (g/L)	Miscible
Partition coefficient n-octanol / water	No data available
Auto-ignition temperature(°C)	No data available
Decomposition temperature(°C)	No data available
Critical temperature(°C)	No data available
Critical pressure(kPa)	No data available
Combustion heat	No data available
Evaporation rate	No data available
Viscosity (mPa • s)	No data available
VOC(g/L)	No data available

## Section 10 Stability and reactivity



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<b>Reactivity</b>	See section 7
<b>Chemical stability</b>	<ul style="list-style-type: none"><li>● Product is considered stable.</li><li>● Hazardous polymerisation will not occur</li></ul>
<b>Possibility of hazardous reactions</b>	See section 7
<b>Conditions to avoid</b>	See section 7
<b>Incompatible materials</b>	See section 7
<b>Hazardous decomposition products</b>	See section 5

**Section 11 Toxicological information**

<b>Acute oral toxicity LD50</b>	No data available
<b>Acute dermal toxicity LD50</b>	No data available
<b>Acute inhalation toxicity LC50</b>	No data available
<b>Skin corrosion /irritation</b>	No data available
<b>Eye damage/ irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>STOT – single exposure</b>	No data available
<b>STOT - repeated exposure</b>	No data available
<b>Aspiration toxicity</b>	No data available
<b>Carcinogenicity assessment carcinogenicity</b>	No data available

**Section 12 Ecological information**

<b>Acute aquatic toxicity LC50</b>	No data available
<b>Acute aquatic toxicity EC50</b>	No data available
<b>Acute aquatic toxicity ErC50</b>	No data available
<b>Aquatic toxicity IC50</b>	No data available
<b>Chronic toxicity to fish</b>	No data available
<b>Chronic toxicity to aquatic invertebrates</b>	No data available
<b>Degradability</b>	No data available
<b>COD</b>	No data available
<b>BOD</b>	No data available
<b>Persistence</b>	No data available



Bioaccumulative potential	No data available
Mobility in soil	No data available

### Section 13 Disposal considerations

Waste chemicals	<ul style="list-style-type: none"><li>● Treatment must be in accordance with applicable Federal, State/Provincial, and Local regulations</li><li>● Recycle as much as possible, try to avoid and reduce waste</li><li>● DO NOT discharge the waste into drains</li></ul>
Contaminated packing materials	<ul style="list-style-type: none"><li>● Packaging may contain residual chemicals, Treatment must be in accordance with applicable Federal, State/Provincial, and Local regulations</li><li>● Recycle or reuse of cleaned materials should be in accordance with applicable Federal, State/Provincial, and Local regulations</li></ul>
Precautions for Transport	<ul style="list-style-type: none"><li>● Attentions of operation, treatment and precautions of workers should be referred to the content of section 7 and section 8</li></ul>

### Section 14 Transport information

Land transport (UN)	---
Air transport (ICAO-IATA / DG)	---
Sea transport (IMDG-Code / GGVSee)	---
Transport patterns	Sea transport、railway transport、road transport
Cautions during transport	Do not leak, avoid water

### Section 15 Regulatory information

#### Safety, health and environmental regulations / legislation specific for the substance or mixture

Aqua(7732-18-5)	China Inventory of Existing Chemical Substances
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### Section 16 Other information

#### Disclaimer

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

The information in the SDS applies only for the specified product and does not include mixtures of this product with other substances and mixtures. The SDS provides product safety information for personnel trained to use this product only.