

## Nonionic Emulsifying Wax NF 4003

**SAFTY DATA SHEET Regulations Comply with 29 CFR 1910.1200**

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### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

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**Product name**

Nonionic Emulsifying Wax NF 4003

**Relevant identified uses of the substance/blend and uses not recommended:**

Nonionic Emulsifying waxes are typically used as a blending base in a variety of applications.

**Company identification**

XI'AN AOGU BIOTECH CO.,LTD  
Room 606,Block B3,Jinye Times,No.32,East Section of Jinye Road,  
Yanta District,Xi'an Shaanxi 710065 China

Website: [www.AOGUBIO.com](http://www.AOGUBIO.com)

**Emergency telephone number**

0086-18091843361

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### 2. HAZARDS IDENTIFICATION

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**Signal Word:**

Warning.

**Hazard Classification:**

Skin corrosion/irritation. Serious eye damage/eye irritation.

**Hazard Category:**

Category 2, Category 2A

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### Hazard Statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

H402: Harmful to aquatic life

H413: May cause long lasting harmful effects to aquatic life

### Precautionary Statements:

P264: Wash thoroughly after handling

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302: IF ON SKIN: Wash with plenty of water

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

P332+313: If skin irritation occurs: Get medical advice/attention

P337+313: If eye irritation persists get medical advice/attention

P362: Takeoff contaminated clothing and wash before reuse

P420: Store away from other materials

P501: Dispose of contents/container in accordance with local/regional/national/international rules.

### Other Hazards:

Hazardous to the aquatic environment, acute hazard. Category 3

Hazardous to aquatic environment, long-term hazard. Category 4

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name : Nonionic Emulsifying Wax

Remarks : No hazardous ingredients

Component	Concentration or concentration range (mass fraction, %)	CAS No.
Cetearyl Alcohol	50-80	67762-27-0
Polysorbate 60	20-50	9005-67-8

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### 4. FIRST AID MEASURES

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#### Swallowing

WHEN MOLTEN ONLY (molten product can cause thermal burns). Obtain medical attention immediately. This is not a toxic substance.

#### Contact with skin:

Wash the skin with water and soap, then rinse carefully. In case of contact and/or solidification of the melted product on the skin, ask for medical assistance if burns are present.

#### Contact with eyes:

Wash immediately and carefully with plenty of water. Check the presence of contact lenses. Consult a doctor.

#### Ingestion:

Washout the mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Consult a doctor.

#### Indication of any immediate medical attention and special treatments needed

Contact a Poison Control Center immediately if large quantities of product have been ingested or inhaled

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### 5. FIRE-FIGHTING MEASURES

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#### Equipment

Carbon dioxide (CO<sub>2</sub>), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

#### Special dangers arising from the product or blend

The product may ignite at high temperature or if in contact with very hot surfaces.

The product may release carbon dioxide and carbon monoxide as a consequence of thermal decomposition.

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### Advice for firefighters

Firefighters must wear fire-resistant protective equipment, including protective gloves and helmet and selfbreathing apparatus.

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## 6. MEASURES IN CASE OF ACCIDENTAL LEAKAGE

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### Personal precautions

Wear suitable protective equipment.

### Environmental precautions

Avoid runoff to sewers or waterways. Dike area of spill to prevent spreading and pump liquid to salvage tank. Waste: avoid washing into watercourses. Use methods consistent with local regulations or incinerate.

### Methods for cleaning up

Dike to contain spill. Absorb on inert material such as sand, earth, vermiculite. After cooling, scrape and/or shovel material. Stop the leak if it can be done without risk. Floor may be slippery; use care to avoid falling.

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## 7. HANDLING AND STORAGE

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### Precaution for a safe handling:

- Protective measures: wear appropriate personal protective equipment
- Advice on general work hygiene: it is forbidden eating, drinking and smoking in the areas where this product is handled and stored. Handlers should wash hands before eating, drinking, smoking and using toilets. Remove contaminated clothing and protective equipment before entering in the eating areas. Do not handle the product near open flames, sources of ignition or heating. Containers which are dirty and/or contain the product must not be pierced, cut, welded or treated with open flames, sources of ignition or heating.

### Conditions for safe storage, including any incompatibilities:

Store the product in dry and ventilated environments, protected from direct sunlight.

Keep away from open flames or sources of ignition or heating.

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### Specific end use(s):

Active ingredient in cosmetic and personal care applications.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### EXPOSURE LIMIT VALUES

No exposure limits have been established.

### OCCUPATIONAL EXPOSURE CONTROLS

#### Respiratory protection

None expected to be needed.

#### Hand protection/protective gloves

Wear oil resistant gloves. WHEN MOLTEN ONLY: wear gloves impervious to this material and able to resist and protect employees from the elevated temperature.

#### Eye protection

Safety Glasses

#### Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

#### Environmental Exposure Controls:

None expected to be needed.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical appearance:	Solid (at room temperature)
Color:	White or light Yellow
pH:	N/A
Melting point:	50-54 °C
Evaporation rate:	Not applicable
Boiling Point:	> 500°F (> 260°C)
Flash Point (COC):	> 392°F (> 200°C)
Vapour density (15°C):	Not applicable
Solubility in water:	Not applicable
n-Octanol/Water (log Po/w):	Not available
Vapor Density:	N/A
Autoignition Temperature:	No Data

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### Other information:

No additional information.

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable

**Conditions/Materials to avoid:** It is recommended to avoid any contact with sources of heating, open flames or strong oxidizing agents.

### Hazardous combustion products

Burning can produce the following combustion products: Oxides of carbon and Soot

**Hazardous polymerization:** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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### Acute Toxicity:

Rabbit: LD50 dermal >8000 mg/kg

LC50 Inhalation >0.012, 6 h

LD50 Oral >10000 mg/kg

### Irritation

Causes skin irritation. Causes serious eye irritation.

### Corrosivity

This is not a corrosive product.

### Sensitization

Non-respiratory sensitization and not expected to cause skin sensitization.

### Repeated Dose Toxicity

No data available.

### Carcinogenicity

None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive.

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### Mutagenicity

Not expected to present a germ cell mutagenicity hazard.

### Toxicity for reproduction

Not expected to affect reproduction or development.

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## 12. ECOLOGICAL INFORMATION

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**Toxicity:** Harmful to aquatic life. May cause long lasting harmful effects to aquatic life

### Aquatic toxicity:

Algae: EC50 - 0.03 mg/l, 72 h

Crustacea: EC50 - Daphnia - 70 mg/l, 48 h

Fish: LC50 - > 1000 mg/l, 48 h

**Persistence and Degradability:** This product is expected to be readily biodegradable

**Bioaccumulative Potential:** Not available.

**Mobility in soil:** Not available.

### Results of PBT & vPvB tests:

**Assessment:** This mixture does not contain any substances that are assessed to be a PBT or vPvB.

**Other adverse effects:** Not applicable.

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## 13. DISPOSAL CONSIDERATIONS

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### Product disposal

Dispose of product in accordance with local, regional, and national regulations.

### Container disposal

Dispose of container in accordance with licensed collector's sorting instructions.

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### Other considerations

No further information.

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## 14. TRANSPORT INFORMATION

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The product is classified as not dangerous for classes: ADR / RID / IMO / ICAO / IATA.

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## 15. Regulatory information

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**EU EINECS/ELINCS/NLP:** Not listed

**Canada DSL/NDSL:** Listed on the DSL inventory. Not listed on the NDSL inventory

**USTSCA:** Listed on the Toxic Substances Control Act Inventory

**Korea KECI:** Listed on the Korean Existing Chemicals List

**China IECS:** Listed on the Republic of China's IECS in China

**Japan ENCS:** All substances in product are listed on the Japanese ENCS Inventory

**Philippine PICCS:** Listed on the Philippine Inventory of Chemicals and Chemical Substances

**Australia AICS:** Listed on the Australian Inventory of Chemical Substances

**Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this mixture by the supplier.

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## 16. OTHER INFORMATION

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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labeling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals



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Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT Self Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulativ

### **Recommended uses and restrictions**

Please consult the product and/or application information bulletins for this product.

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### Further information

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