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## Material Safety Data Sheet

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TOPS

Company: Suzhou YACOO Science Co., Ltd.

Address: No.128, FangZhou Road, Suzhou Industrial Park, China

Tel: 0512-87182055

Fax: 0512-87182056

### SECTION 2: Hazards identification

#### Summary of emergency

powder beige If breathed in, move person into fresh air., If not breathing, give artificial respiration. Wash off with soap and plenty of water. Flush eyes with water as a precaution. Never give anything by mouth to an unconscious person., Rinse mouth with water.

#### 2.1 GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

#### 2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS). Caution - substance not yet tested completely.

#### 2.3 Physical and chemical hazards

Referring to current information, no physical or chemical hazard.

#### 2.4 Health hazards

Referring to current information, no health hazard.

#### 2.5 Environmental hazards

Referring to current information, no environmental hazard.

#### 2.6 Other hazards - none

### SECTION 3: Composition/information on ingredients

Substance / Mixture: Substance

#### 3.1 Substances

Synonyms: 3-(Ethyl[3-methylphenyl]amino)-1-propanesulfonic acid

TOPS

3-(N-Ethyl-m-toluidino)propanesulfonic acidsodium salt

4-Sodium N-ethyl-N-(3-sulfopropyl)-m-toluidine

Sodium 3-(N-ethyl-3-methylanilino)propanesulfonate

N-Ethyl-N-sulfopropyl-m-toluidinesodium salt

Formula:  $C_{12}H_{18}NNaO_3S$

Molecular weight: 279.33 g/mol

CAS-No.: 40567-80-4

No components need to be disclosed according to the applicable regulations.

## **SECTION 4: First aid measures**

### **4.1 Description of first-aid measures**

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

### **4.4 Notes to physician**

No data available

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides Nitrogen oxides (NO<sub>x</sub>) Sulfur oxides

Sodium oxides

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

## **SECTION 6: Accidental release measures**

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

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Advice on protection against fire and explosion

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Hygiene measures

General industrial hygiene practice. For precautions see section 2.2.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage conditions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### Storage class

Storage class (TRGS 510): 13: Non Combustible Solids

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Ingredients with workplace control parameters

We are not aware of any national exposure limit.

### 8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Physical state powder

b) Color beige

c) Odor No data available

d) Melting point/freezing point No data available

e) Initial boiling point and boiling range No data available

f) Flammability (solid, gas) No data available

g) Upper/lower flammability or explosive limits

No data available

h) Flash point No data available

i) Autoignition temperature No data available

j) Decomposition temperature No data available

- k)pH No data available
- l)Viscosity  
Viscosity, kinematic: No data available  
Viscosity, dynamic: No data available
- m)Water solubility No data available
- n)Partition coefficient: n-octanol/water  
No data available
- o)Vapor pressure No data available
- p)Density No data available  
Relative density No data available
- q)Relative vapor density No data available
- r)Particle characteristics No data available
- s)Explosive properties No data available
- t)Oxidizing properties No data available
- 9.2Other safety information No data available

## **SECTION 10: Stability and reactivity**

### **10.1Chemical stability**

Stable under recommended storage conditions.

### **10.2Possibility of hazardous reactions**

No data available

### **10.3Conditions to avoid**

No data available

### **10.4Incompatible materials**

Strong oxidizing agents

### **10.5Hazardous decomposition products**

In the event of fire: see section 5

## **SECTION 11: Toxicological information**

### **11.1Information on toxicological effects**

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

## **11.2 Additional Information**

No data available

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

### **12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### **12.6 Endocrine disrupting properties**

No data available

### **12.7 Other adverse effects**

No data available

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

## **SECTION 14: Transport information**

### **14.1 UN number**

ADR/RID: - IMDG: - IATA-DGR: -

### **14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA-DGR: Not dangerous goods

### **14.3 Transport hazard class(es)**

ADR/RID: -IMDG: -IATA-DGR: -

### **14.4 Packaging group**

ADR/RID: - IMDG: - IATA-DGR: -

### **14.5 Environmental hazards**

ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no

### **14.6 Special precautions for user**

### **14.7 Incompatible materials**

Strong oxidizing agents

Further information

Not classified as dangerous in the meaning of transport regulations.

## **SECTION 15: Regulatory information**

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

National regulatory information

Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement.

### **SECTION 16:OTHER INFORMATION**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.