



# MATERIAL SAFETY DATA SHEET

## Tween 80

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### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: polyoxyethylene (20) sorbitan monooleate

Contact Information:

Company: Aurora Industry Co.,Ltd.

Address: Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

Tel: 0411-82288674

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### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS#	EC #	%
polyoxyethylene (20) sorbitan monooleate	9005-65-6	500-019-9	~100

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### SECTION 3 - HAZARDS IDENTIFICATION

Eye contact: Unlikely to cause eye irritation in man.

Skin contact: Unlikely to cause skin irritation in man.

Inhalation: Unlikely to be hazardous by inhalation.

Ingestion: This material is not likely to cause irritation upon ingestion.

Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.

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### SECTION 4 - FIRST AID MEASURES

Eyes: Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

Ingestion: Wash out mouth with water and induce vomiting. If the patient is conscious, give water to drink. If the patient feels unwell, seek medical attention.

Inhalation: Move to fresh air. If necessary, get immediate medical attention.

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### SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media: Use water, dry extinguishing media, carbon dioxide (CO<sub>2</sub>) or foam.

Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turn out gear.



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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Measures for environmental protection:

Do not allow material to be released to the environment without proper governmental permits.

Spills/Leaks:

Spills should be contained in suitable containers. Do not enter into water way and drains

Additional information:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## SECTION 7 - HANDLING and STORAGE

Handling: No special precautions are necessary if used correctly.

Storage: storage in dry conditions in room temperature. And keep away from oxidizing agents and ignition sources.

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## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure limit values

Chemical name	Exposure limit values	Notes
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No Workplace Exposure Limit Assigned.

Engineering measures: Provide adequate ventilation.

Eye protection: Safety glasses with side shields.

Skin protection: Good working practice suggests gloves should be worn.

Respiratory protection: Respiratory protection is not required if good ventilation is maintained

Other: Eyewash and safety shower easily accessible to the work area.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Liquid. (Oily liquid.).

Odor: fatty (Slight.).

Taste: slightly bitter.

Molecular Weight: 1129.9 g/mole

Color: Yellow to tan.

pH (1% sol/water): 5.5-7.5.

Boiling Point: >100°C (212°F)



Melting Point: Not available  
Critical Temperature: Not available.  
Specific Gravity: 1.06 - 1.10 (Water = 1)  
Vapor Pressure: <0.1 kPa (at 20°C)  
Vapor Density: Not available.  
Volatility: Not available.  
Odor Threshold: Not available.  
Water/Oil Dist. Coeff. : Not available.  
Ionicity (in Water): Non-ionic.  
Dispersion Properties: See solubility in water, methanol.  
Solubility: Soluble in water, methanol, isopropyl alcohol. Insoluble in cotton seed oil, ethylene glycol, propylene glycol and mineral oil

\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

Chemical Stability: Stable  
Conditions to Avoid: Not applicable

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**SECTION 10 - STABILITY AND REACTIVITY**

Stability:	Stable under normal conditions.
Materials to avoid:	Strong oxidising agents.
Conditions to avoid:	None known
Hazardous decomposition products:	None known
Hazardous polymerisation:	Will not occur

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

Acute toxicity: LD50 rat 42.2g/kg  
Sensitization: No effects known.  
Carcinogenicity: No effects known

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**SECTION 12 - ECOLOGICAL INFORMATION**

General notes:  
Do not allow material to be released to the environment without proper governmental permits.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

Product:  
Recommendation: Consult state, local or national regulations to ensure proper disposal.  
Uncleaned packages:  
Recommendation: Disposal must be made according to official regulations.

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**SECTION 14 - TRANSPORT INFORMATION**



Not a hazardous material for transportation

Label Required: N/A

Placard Required: N/A

Poison Constituent:N/A

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## SECTION 15 - REGULATION

Not Classified as Dangerous for Supply/Use.

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## SECTION 16 – OTHER INFORMATION

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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