



TULSTAR PRODUCTS, INC.

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Material Safety Data Sheet

Company Information

Company Name: **TULSTAR PRODUCTS, INC.**
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Tulsa, OK 74105
Phone Number: (918) 749-9060
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Emergency Contact: CHEMTREC 800-424-9300 (24 hours)

Product Information

Product name: Clarifying Agent
Chemical Family: Sorbitol acetal
CAS number: 135861-56-2

Product Use

Plastic additive.

Composition/Information on Ingredients

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
3,4-DIMETHYLBENZYLIDINE SORBITOL	>96.0%	135861-56-2
Water	<1.0%	7732-18-5

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HMIS Rating-	Health:	0
	Flammability:	1
	Reactivity:	0
	Personal Protection Index:	B

Potential Health Effects

Eye:

Dust may be irritation to the eye. Not known to cause permanent injury to eye tissue.

Skin:

May cause slight irritation. Prolonged or repeated contact may irritate the skin and cause a skin rash (dermatitis).

Inhalation:

Dust may be slightly irritation to respiratory tract.

Ingestion:

No hazards expected in normal industrial use.

First Aid Measures**Eye Contact First Aid:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Skin Contact First Aid:

Wash affected area with large amounts of soap and water. Get medical attention if irritation develops or persists.

Inhalation First Aid:

If exposed to excessive levels of dust, remove to fresh air. Get medical attention if cough or other symptoms develop.

Ingestion First Aid:

If swallowed, immediately give 2 glasses of water. Contact a physician. Never give anything by mouth to an unconscious person.

Fire Fighting Measures**Flammable Properties**

COC Flash Point: N/A

Autoignition Temperature: N/A

Flammable Limits in Air

LEL: N/A

UEL: N/A

Extinguishing Media:

Water, carbon dioxide, foam or dry powder. Use water spray to cool fire exposed containers.

Fire & Explosion Hazards:

Explosive mixtures can be formed with sufficient concentrations of dust combined with air. The dust explosion class for this product is St1. The minimum Exposable Concentration was determined to be 15 g/m³.

Fire Fighting Instructions:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid breathing smoke, fumes, and decomposition products.

Accidental Release Measures**Safeguards (Personal):**

If excessive dust is created, wear dust mask or respirator to keep exposure below the Permissible Exposure Level for particulate matter. Wear safety goggles.

Spill Procedure:

Contain spilled material. Take up and place in secure closed containers. All waste material should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

Initial Containment:

Contain spilled material. All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

Handling and Storage

Handling (Personnel):

Avoid prolonged contact with skin or eyes. Do not handle in a manner that creates excessive dust.

Handling (Physical Aspects):

Provide appropriate ventilation. Secure container after each use. Avoid extreme temperatures.

Exposure Controls/Personal Protection

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels.

Eye/Face Protection Requirements:

Chemical goggles are recommended to avoid contact with eyes.

Skin Protection Requirements:

Under normal use conditions, with adequate ventilation, no special respiratory protective equipment is required. If airborne concentrations exceed the OSHA exposure limit for dust, a NIOSH approved dust mask is recommended.

Exposure Guidelines:

Particulates not otherwise regulated

Recommended Exposure Limit: 5 mg/m³

OSHA TWA: 15 mg/m³

Physical and Chemical Properties

FORM.....	Powder
COLOR.....	White
ODOR.....	No odor
SOLUBILITY IN WATER.....	Nil
% VIOLATIONS.....	<1 (water) % @ 100 C

Stability and Reactivity

Stability:

This product is stable at ambient conditions.

Polymerization:

Hazardous polymerization will not occur.

Incompatibility with Other Materials:

Avoid contact with acids and oxidizing agents.

Decomposition:

Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

Toxicological Information

Test Code: Skin Sensitization
Species: Guinea Pig
Results: Not a sensitizer

Test Code: Primary Ocular Irritation and Reversibility
Species: Rabbit

Results: Application of clarifying agent provoked a weak irritation
Test Code: 13 week Oral Toxicity
Species: Rat
Results: 2000 ppm is considered the no effect level

Ecological Information

Test Code: Acute Toxicity (48 hours)
Species: Daphnia
Results: EC50 was estimated to be higher than the limit of solubility.

Disposal Considerations

Waste Disposal:

All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

Transportation Information

Product Label.....Clarifying Agent
D.O.T. Hazard Class.....Non Hazardous

Regulatory Information

Chemical Inventory Information:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).