



# TULSTAR PRODUCTS, INC.

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## MATERIAL SAFETY DATA SHEET

### COMPANY INFORMATION

Company Name: **TULSTAR PRODUCTS, INC.**  
5510 S. Lewis Ave.  
Tulsa, OK 74105  
Phone Number: (918) 749-9060  
Fax Number: (918) 747-1444  
Email Address: [tulstar@tulstar.com](mailto:tulstar@tulstar.com)  
Emergency Number: CHEMTREC 800-424-9300 (24 hours)

### IDENTIFICATION

Chemical Name: Ammonium Persulfate  
Chemical Formula:  $(\text{NH}_4)_2\text{S}_2\text{O}_8$   
Percent: 99.0  
CAS Number: 7727-54-0

### PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: White Crystals  
Odor: No odor  
Melting Point: Decomposes  
Vapor Pressure: None (mm Hg/70°F)  
Specific Gravity: 1.98  
Decomposition Temp: Unknown  
Solubility in Water: 51 %  
Corrosion Rate: Unknown (IPY)

### FIRE & EXPLOSION HAZARD DATA

Flash Point: Noncombustible  
Extinguishing Media: Use water  
Special Fire Fighting Procedures: Noncombustible. Consider material as a strong oxidizer with acidic mist also being present. Do not use carbon dioxide or other gas-filled fire extinguisher.  
Unusual fire & Explosion Hazards: Decomposes with the liberation of oxygen. Presence of moisture accelerates decomposition.

### REACTIVITY DATA

Stability: No  
Conditions to Avoid: Decomposes with exothermic reaction. Avoid heat and moisture.  
Materials to Avoid: Moisture, reducing agents, heavy metals, acids, alkalis, halides (fluorides, chlorides, bromides), combustible materials.  
Hazardous Decomposition Products: Fumes of sulfuric acid mist, oxygen which supports combustion and oxides of sulfur and nitrogen.  
Hazardous Poly Occur: No  
Conditions to Avoid: Will not occur (Poly).

## **HEALTH HAZARD DATA**

LD50-LC50 Mixture:	LD50 (Oral Rat) is 600 MG/KG
Route of Entry:	
Inhalation:	Yes
Skin:	Yes
Ingestion:	No
Powder is non-irritating.	May be sensitizer to allergic persons. Allergic persons may develop dermatitis and asthma.
Carcinogenicity:	
NTP:	No
IARC:	No
OSHA:	No
Signs/Symptoms of Overexposure:	Dust may be harmful and irritating. May be harmful if swallowed.
Medical Conditions Aggravated by Exposure:	Allergic persons may develop Dermatitis and Asthma
Emergency/First Aid Procedure:	
Eyes:	Flush with plenty of water. If irritation persists get medical attention.
Skin:	Wash area with soap and water. If irritation persists seek medical attention.
Inhalation:	Move to fresh air. If discomfort persists get medical attention.
Ingestion:	Drink plenty of water. Seek medical attention.

## **PRECAUTIONS FOR HANDLING & USE**

Steps if Material is Released/Spills:	Material should be put into an approved DOT container, then diluted with large amounts of water and disposed of according to the methods outlined below for waste disposal.
Neutralizing Agent:	None specified by manufacturer.
Waste Disposal Method:	Dissolve in water and dispose via treatment system in accordance with all local, state, and federal environmental laws and regulations. Contact the appropriate regulatory agencies prior to disposal.
Pre-cautions-Handling/Storing:	Store unopened in a cool, dry, clean place away from heat source such as radiant heaters or steam pipes. Use first in first out storage system.
Other Precautions:	Avoid contamination of opened product. Avoid prolonged/repeated skin contact. In case of fire/decomposition conditions (smoking), use self-contained breathing apparatus with full face piece, acid resistant clothing and deluge with water.

## **CONTROL MEASURES**

Respiratory Protection:	Use NIOSH/MSHA approved respirator such as a dust mask.
Ventilation:	Use only in well ventilated area. Control dust in work place area at or below recommended TLV.
Protective Gloves:	Rubber or Neoprene.
Eye Protection:	Safety goggles/face mask for splashing.
Other Protection:	Eye wash station and safety shower.
Work Hygienic Practices:	Wash after handling and before eating, drinking, or smoking. Launder contaminated clothing before reuse.

## **TRANSPORTATION DATA**

DOT Proper Shipping Name:	Ammonium Persulfate
DOT Class:	5.1
DOT ID Number:	UN1444
DOT Pack Group:	111
DOT Label:	Oxidizer
IATA PSN Code:	BQM
IATA UN ID Number:	1444
IATA Proper Shipping Name:	Ammonium Persulfate
IATA UN Class:	5.1
IATA Label:	Oxidizer

## **LABEL DATA**

Common Name: Ammonium Persulfate  
Chronic Hazard: Yes  
Signal Word: Warning!

Powder is non-irritating. May be sensitive to allergic persons. Allergic persons may develop Dermatitis and Asthma. Store unopened in cool, dry, clean places away from heat source such as radiant heaters and steam pipes.

### First Aid:

Eyes: Flush with large amounts of water. If irritation persists seek medical attention.  
Skin: Wash area with soap and water. If irritation persists seek medical attention.  
Inhalation: Move to fresh air. If discomfort persists seek medical attention.  
Ingestion: Drink plenty of water. Seek medical attention.