

# MATERIAL SAFETY DATA SHEET

Ammonium Persulfate

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Ammonium Persulfate

Product Code: 214-00

Material Uses:  
Manufacturer: OFI Testing Equipment, Inc.  
11302 Steeplecrest Drive  
Houston, TX 77065 USA  
Phone: (713) 880-9885  
Fax: (713) 880-9886

Entry Date : 5/10/2010

Print Date: 9/9/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	3
Flammability:	0
Reactivity:	3

Hazard Rating:  
Least Slight Moderate High Extreme  
0 1 2 3 4  
NA = Not Applicable NE = Not Established

## SECTION 2 HAZARD IDENTIFICATION

Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.

Emergency Overview: Danger! Strong Oxidizer. Contact With Other Material May Cause Fire. Harmful If Swallowed Or Inhaled. May Cause Burns To Skin And Eyes. May Cause Allergic Skin Or Respiratory Reaction.

Inhalation: May irritate the mucous membranes. May cause lung edema. Symptoms may include sore throat, shortness of breath, inflammation of nasal passages, coughing, and wheezing. Any exposure may cause an allergic reaction. Asthma-like symptoms and life-threatening shock may result.

Ingestion: Corrosive. May produce abdominal pain, nausea and vomiting.

Skin: Corrosive. May cause skin burns.

Eye Contact: May cause severe irritation and pain.

Chronic Exposure: Prolonged skin contact may cause an allergic reaction with dermatitis.

Aggravation of Pre-existing Conditions: Persons with impaired respiratory function may be more susceptible to the effects of the substance.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Ammonium Persulfate	CAS# 7727-54-0	100%	W/W	None established

## SECTION 4 FIRST AID MEASURES

Heat, shock, friction, or contact with other materials may cause fire or explosion.

## Ammonium Persulfate

Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.

FIRST AID: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

### SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: Releases oxygen which may intensify fire

Fire Fighting Procedure: Deluge with water. Do not use Carbon dioxide or gas filled fire extinguishers, they will have no effect on decomposing persulfates.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

### SECTION 7 HANDLING AND STORAGE

Rubber gloves, NIOSH/MSHA-Approved respirator. Mechanical exhaust required. Do not get in eyes, on skin, on clothing.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Rubber or Neoprene gloves.

Eye Protection: Goggles and Face Shield

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	Decomposes	Percent Volatile by Volume:	N/A
Boiling Point:	Information not available	Evaporation Rate	N/A

Ammonium Persulfate

Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	51%	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	White odorless Crystals	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Non-combustible		
Specific Gravity:	1.98		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability:	Stable
Conditions to Avoid:	Avoid contact with incompatible materials.
Materials to Avoid:	Strong oxidizing agents, metals, bases, amines.
Hazardous Decomposition Products:	Nitric oxides may be released in fire.
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

**SECTION 11 Toxicological Information**

Carcinogenic References: Oral rat LD50: 689 mg/kg  
NTP Carcinogen Known: No, Carcinogen Anticipated: No, IARC Category- None

**SECTION 12 Ecological Information**

Environmental Fate:No Information Found  
Environmental Toxicity:No Information Found

**SECTION 13 Disposal Considerations**

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**SECTION 14 Transport Information**

DOT Classification: Ammonium Persulfate, 5.1, UN1444, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

Chemical Inventory Status –  
Part 1:Ingredient  
Ammonium Persulfate (7727-54-0)  
TSCA Yes  
EC Yes  
Japan YES  
Australia Yes

Chemical Inventory Status –  
Part 2:Ingredient  
Ammonium Persulfate (7727-54-0)

# Ammonium Persulfate

Korea Yes  
DSL Yes  
NDSL No  
Phil. Yes

## Federal, State & International Regulations –

Part 1: Ingredient.

Ammonium Persulfate (7727-54-0)

RQ No  
TPQ No  
List NO  
Chemical Catg No

## Federal, State & International Regulations –

Part 2: Ingredient

Ammonium Persulfate (7727-54-0)

CERCLA No  
261.33 No  
8(d) No

Chemical Weapons Convention: No

TSCA 12 (b):No

CDTA:No PURE/SOLID

SARA 311/312: Acute: YES

Chronic: YES

Fire: YES

Pressure: No

Reactivity: No

Australian Hazchem Code: 2P

Poison Schedule: None allocated

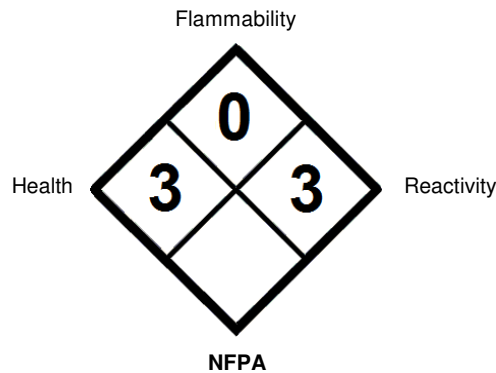
WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR)

and the MSDS contains all of the information required by the CPR.

## SECTION 16

### Additional Information

Conditions aggravated/Target organs: Persons with preexisting eye, skin or respiratory conditions will be more susceptible. May be a sensitizer to allergic persons. Dust may be harmful and irritating. Moderately toxic when ingested. Sensitive persons may develop dermatitis and asthma.



### Revisions

6/17/2010

0.1

updated msds to 16 section from 10 section  
msds. STN

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