

## AMMONIUM PERSULPHATE, FOOD GRADE

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** AMMONIUM PERSULPHATE, FOOD GRADE

**Product Code:** 5004

**CAS#:** Not available

**Synonym:** Not Available

**Chemical Name:** Not available

**Chemical Formula:** Not available

**Formula Weight:** Not available

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Name:** AMMONIUM PERSULPHATE

**Toxicological Data on Ingredients:** Ammonium persulfate: ORAL (LD50): Acute: 689 mg/kg [Rat]

### SECTION 3: HAZARDS IDENTIFICATION

Hazardous in case of eye contact (irritant), Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation

**Potential Chronic Health Effects:**

**Carcinogenic effects:** Not available

**Mutagenic effects:** Not available

**Teratogenic effects:** Not available

**Developmental toxicity:** Not available

Repeated or prolonged exposure is not known to aggravate medical condition

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin Contact:** Wash off immediately with soap and plenty of water. Cover the irritated skin with emollient. Immediate medical attention is required.

**Serious Skin Contact:** Not available

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not Available

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Serious Ingestion:** Not available

### SECTION 5: FIRE FIGHTING MEASURES

**Flammability of the Product:** May be combustible at high temperature

**Auto-Ignition Temperature:** Not Available

**Flash Points:** Not Applicable

**Flammable Limits:** Not Applicable

**Products of Combustion:** Not Applicable



**Fire Hazards in Presence of Various Substances:** Slightly flammable to flammable in presence of open flames and sparks, of heat, of reducing materials, of combustible materials.

**Explosion Hazards in Presence of Various Substances:**

**Risks of explosion of the product in presence of mechanical impact:** Not available

**Risks of explosion of the product in presence of static discharge:** Not available

**Risks of explosion of the product in presence of mechanical impact:** Not Available

**Risks of explosion of the product in presence of static discharge:** Not available

**Fire Fighting Media and Instructions:**

**Small fire:** Not Applicable

**Large fire:** Not Applicable

**Special Remarks on Fire Hazards:** Not Applicable

**Special Remarks on Explosion Hazards:** Not available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## SECTION 7: HANDLING AND STORAGE

**Precautions:** Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent

**Personal Protection in Case of a Large Spill:** Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not Available

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	:	Solid
Odor	:	Not available
Taste	:	Not available
Color	:	White
Molecular Weight	:	Not available
PH	:	Not available
Boiling Point	:	Not available
Melting Point	:	Not available
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available



Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	Freely Soluble in water

#### SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** The product is stable.

**Instability Temperature:** Not available

**Conditions of Instability:** Incompatible materials, moisture

**Incompatibility with various substances:** Slightly reactive to reactive with acids

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** Decomposes in hot water, yielding ammonia and carbon dioxide. Air sensitive.

Decomposes on exposure to air with loss of ammonia and carbon dioxide becoming white and powdery and converting to AMMONIUM PERSULPHATE Sensitive to light.

**Special Remarks on Corrosivity:** Not available

**Polymerization:** No

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Routes of Entry:** Inhalation. Ingestion

**Toxicity to Animals:**

**LD<sub>50</sub>:** Not available

**LC<sub>50</sub>:** Not available

**Chronic Effects on Humans:** Not available

**Other Toxic Effects on Humans:** Not available

**Special Remarks on Toxicity to Animals:** Not available

**Special Remarks on Chronic Effects on Humans:** Not available

**Special Remarks on other Toxic Effects on Humans:** Not available

#### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not Available

**BOD and COD:** Not Available

**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.

**Special Remarks on the Products of Biodegradation:** Not Available

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable

**Special Provisions for Transport:** Not applicable



## SECTION 15: REGULATORY INFORMATION

**Federal and State Regulations:** Connecticut hazardous material Survey. Ammonium persulfate New Jersey: Ammonium persulfate TSCA 8(b) inventory: Ammonium persulfate

**Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances..

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**WHMIS (Canada):** CLASS C: Oxidizing material

**DSCL (EEC):** R8- Contact with combustible material may cause fire. R20/22- Harmful by inhalation and if swallowed.

R36/37/38- Irritating to eyes, respiratory system and skin. R42/43- May cause sensitization by inhalation and skin contact. S22- Do not breathe dust. S24- Avoid contact with skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves

**HMIS (U.S.A.):**

**Health Hazard: 2**

**Fire Hazard: 1**

**Reactivity: 3**

**Personal Protection: E**

**National Fire Protection Association (U.S.A.):**

**Health: 2**

**Flammability: 1**

**Reactivity: 3**

**Specific hazard:** Not Available

**Protective Equipment:** Gloves, Lab coat, Safety glasses, and Dust respirator - be sure to use an approved/certified respirator or equivalent

## SECTION 16: OTHER INFORMATION

**References:** - Not available

**Other Special Considerations:** Not available

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