



Section 1 – Company Information

Parchem - fine & specialty chemicals
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Toll Free US & Canada: (800)255-3924
All other Origins: (813) 248-0585
Collect Calls Accepted

Section 2 – Product Identification/ Information on Ingredients

PRODUCT NAME Ammonium Persulfate
SYNONYM APS
FORMULA $(\text{NH}_4)_2\text{S}_2\text{O}_8$

PRODUCT	CAS NUMBER	% BY WEIGHT
Ammonium Persulfate	7727-54-0	> 99%

Section 3 – Hazards Identification

GHS Classification

Physical Hazards: Oxidizing solids - Category 3

Health Hazards: Acute toxicity (oral) - Category 4

Skin corrosion/irritation - Category 2

Eye damage/irritation - Category 2B

Sensitization-respiratory - Category 1

Sensitization-skin - Category 1

Specific target organ systemic toxicity (single exposure) - Category 3

Specific target organ systemic toxicity (repeated exposure) - Category 1

Environmental Hazards: Hazardous to the aquatic environment-acute hazard - Category 3

Signal Word: Danger

Hazard Statements: May intensify fire; oxidizer

Harmful if swallowed (oral)

Causes skin irritation

Causes eye irritation

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled

May cause allergic skin reaction

May cause respiratory irritation or May cause drowsiness or dizziness

Causes damage to respiratory organ through prolonged or repeated exposure

Harmful to aquatic life



Precautionary Statements

Prevention: Keep away from flame and heat.

Take any precaution to avoid mixing with combustibles/...

Do not handle until all safety precautions have been read and understood.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Use personal protective equipment as required.

Response: In case of fire, use appropriate media for extinction.

If swallowed: Immediately call a POISON CENTER or doctor/physician.

DO NOT INDUCE VOMITING.

If on skin: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation occurs, seek medical advice/attention.

If in eyes: Rinse cautiously with water several minutes. Get medical attention/advice.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

Storage: Store away from other materials.

Protect from sunlight and store container tightly closed in well-ventilated place.

Store locked up

Disposal: Dispose of contents/container in accordance with local/ regional/ national/ international regulation.

Section 4 – First Aid Measures

Skin Contact: Wash skin immediately with water and soap. If irritation occurs, get medical attention.

Eye Contact: Immediately flush with clean running water for at least 15 minutes and consult an ophthalmologist.

Inhalation: Remove patient to fresh air. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. See a physician. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Flammable Properties

Flash Point: Non-combustible.

Flammable Limits: Not applicable.

Autoignition Temperature: Non-combustible.

Extinguishing Media: Non-combustible.

Special Fire-Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus.

Fire-Fighting Instructions: Use water spray to cool fire exposed surfaces. Evacuate personnel to a safe area.

Hazardous Decomposition Products: Oxygen gas and sulfuric acid mist.

To Firemen: Firemen should wear normal protective equipment.



Section 6 – Accidental Release Measures

Large Spill: Clean up all spills immediately. Avoid inhalation of dust and contact with skin and eyes. Avoid generation of dust during clean up (use dustless methods such as vacuums.) Incinerate or place in a suitable container for disposal by a licensed contractor. (Follow all Federal, State and local regulations in your country.)

Small Spill: Sweep up or vacuum and place into sealable container for disposal with wearing protective equipment. (See section 8.)

Section 7 – Handling & Storage

Handling: Avoid contact with skin and eyes. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid prolonged or repeated breathing of dust. Avoid prolonged or repeated contact with skin.

Storage: Other reducing materials, combustibles, heavy metals, should not be stored nearby. Keep container close and store in a cool area.

Section 8 – Exposure Controls & Personal Protection

Exposure Guideline

OSHA

PEL: No data available.

ACGIH TLV

TWA: 0.1 mg/m³

STEL: No data available.

Engineering Controls: Use only with adequate ventilation. Local exhaust may be necessary.

Personal Protective Equipment

Respiratory Protection: Wear suitable particle filter mask when exposed to dust.

Eye Protection: Safety glasses or splash goggles.

Skin Protection: Chemical resistant gloves.

Body Protection: Working clothes of the long sleeves.

Special Protection Information: No specific health hazards under normal conditions.



Section 9 – Physical & Chemical Properties

Appearance: White powder
Odor: Odorless
Boiling Point: Not applicable
Melting Point / Freezing Point: Not applicable
Vapor Pressure: Not applicable
Solubility in Water: 44% at 68°F (20°C)
Specific Gravity: Not applicable
pH: 4.4 at 68°F (20°C)
Viscosity: Not applicable
Vapor Density (air = 1): Not applicable
Evaporation Rate (n-Butylacetate = 1): Not applicable

Section 10 – Stability & Reactivity Data

Chemical Stability: Stable under recommended conditions of storage and handling.
(Unstable in presence of heat and moisture.)
Substances to Avoid Contamination: Reducing agents, combustible organic substance and heavy metals salt kind.
Hazardous Reaction and Fire Danger: This substance is an oxidizing power and when heated, compressed or given a shock. The substance will cause a strong oxidizing action.
Products Causing Hazardous Decomposition: Oxygen and oxides of sulfur may be generated by decomposition.

Section 11 – Toxicological Information

Eye Effects: No data available, but may cause eye irritation.
Skin Effects: No data available, but may cause skin irritation.
Acute Oral Effects: LD₅₀ (rat): 689 mg/kg
Acute Inhalation Effects: LC₅₀: No data available, but may cause respiratory irritation.
Chronic Effects / Carcinogenicity: Not listed as a carcinogen by IARC, OSHA, NTP or the EPA.
Mutagenicity: This product is not known or reported to be mutagenic.
Others: None

Section 12 – Ecological Information

Ecological Information: No data available.



Section 13 – Disposal Consideration

Dispose of product and contaminated packaging in accordance with all local, state and federal environmental control regulations.

Section 14 – Transportation Data

DOT

Proper Shipping Name: Ammonium Persulfate

Hazard Class: 5.1

UN-No: UN1444

Packing Group: III

Description: UN1444, Ammonium Persulfate, 5.1, PG III

TDG

Proper Shipping Name: Ammonium Persulfate

Hazard Class: 5.1

UN-No: UN1444

Packing Group: III

Description: UN1444, Ammonium Persulfate, 5.1, PG III

MEX

Hazard Class: 5.1

UN-No: UN1444

Packing Group: III

Description: UN1444, Ammonium Persulfate, 5.1, III

Section 15 – Regulatory Information

U.S.FEDERAL REGULATION

TSCA: TSCA Inventory: Registered

SARA TITLE III: Section 313 Toxic Chemicals: Not applicable

INTERNATIONAL INFORMATION

CEPA: DSL: Registered

REACH(EU): No data available.

HMIS

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: E



NFPA

HEALTH HAZARD: 2

FLAMMABILITY: 0

REACTIVITY: 1

SPECIFIC HAZARD: OX

Section 16 – Other Information

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

