











Dry Products	Liquid Products
--------------	-----------------

		🗞 Dry Products 💧 Liquid Pro
PRODUCT NAME	INDUSTRY	USES
Ammonium Sulfate Fines	Wastewater Treatment	Monochloramine formation
PRODUCT NAME	INDUSTRY	USES
Ammonium Sulfate 21-0-0 +24(S) (Regular)	<ul> <li>Wastewater Treatment</li> <li>Fire Suppression/ Insulation</li> <li>Wood Products/ Lumber</li> <li>Agriculture</li> </ul>	<ul> <li>Monochloramine formation</li> <li>Flame retardant</li> <li>Wood preservative</li> <li>Cattle hoof baths</li> <li>Epoxy resins</li> </ul>
PRODUCT NAME	INDUSTRY	USES
11-52-0 Mono-Ammonium Phosphate (MAP)	<ul><li>Agriculture</li><li>Fire Suppression</li></ul>	<ul><li>Fertilizer</li><li>Fire extinguishers, flame retardant</li></ul>
PRODUCT NAME	INDUSTRY	USES
11-52-0 Mono-Ammonium Phosphate - No Oil Coating (MAP)	Fire Suppression	• Fire extinguishers, flame suppression
PRODUCT NAME	INDUSTRY	USES
Urea 46%	<ul> <li>Agriculture</li> <li>Wood Products</li> <li>Power Plant</li> <li>Pulp and Paper</li> <li>Mining</li> <li>Chemical Manufacturing</li> </ul>	<ul> <li>Fertilizer</li> <li>Forest fertilization</li> <li>NOx abatement</li> <li>Nutrients for wastewater ponds</li> <li>Additive in a fire retardant blend</li> <li>Ice melt</li> </ul>
PRODUCT NAME	INDUSTRY	USES
Ammonium Hydroxide Solution 19.5%	<ul> <li>Industrial Manufacturing</li> <li>Industrial</li> <li>Wastewater Treatment</li> </ul>	<ul> <li>Cleaning and sanitation</li> <li>pH control</li> <li>Chloramine formation</li> </ul>



PRODUCT NAME	INDUSTRY	USES
PRODUCT NAME	INDUSTRY	USES

Ammonium Hydroxide Solution 29.4% (26° Baume) Power Generation

NOx abatement





		🗙 Dry Products 💧 Liquid Products
PRODUCT NAME	INDUSTRY	USES
Ammonium Sulfate Solution 40%	Municipalities Water Treatment	Non-hazardous chemical for wastewater treatment
PRODUCT NAME	INDUSTRY	USES
Anhydrous Ammonia, 82-0-0	<ul><li>Power Generation</li><li>Manufacturing</li></ul>	<ul><li>NOx abatement, pH control</li><li>Production of nitric acid and ammonium hydroxide</li></ul>
PRODUCT NAME	INDUSTRY	USES
Calcium Nitrate Solution 45% (CN45)	<ul><li>Oil and Gas</li><li>Concrete</li><li>Wastewater Treatment</li></ul>	<ul> <li>Refining process</li> <li>Cold weather concrete admixture</li> <li>Wastewater pre-conditioning</li> </ul>
PRODUCT NAME	INDUSTRY	USES
Defluorinated Phosphoric Acid 23.5P (SIMPHOS®)	• Agriculture - Feed	Nutrient supplement in animal feed formulations
PRODUCT NAME	INDUSTRY	USES
Fluorosilicic Acid (FSA)	<ul> <li>Municipalities</li> <li>Metal Manufacturing</li> <li>Cleaning and Sanitation</li> </ul>	<ul> <li>Water fluoridation</li> <li>Lead pickling</li> <li>Laundry sour</li> </ul>
PRODUCT NAME	INDUSTRY	USES
Ammonium Polyphosphate 10-34-0	<ul> <li>Pulp and Paper</li> <li>Agriculture</li> <li>Resin Manufacturing</li> </ul>	<ul> <li>Increase/stimulate biological activity as a food source for biological microorganisms</li> <li>Nutrient source</li> <li>An adhesive in the construction of particle board and other wood products</li> </ul>

PRODUCT NAME	INDUSTRY	USES	
Ammonium Polyphosphate	Food Processing	Pulp and Paper	

Ammonium Polyphosphate 11-37-0

• Food Processing





USES

## PRODUCT NAME

## INDUSTRY

- Wildland Firefighting
- Wastewater treatment
- Wastewater treatment
- Flame retardant ingredient





		👸 Dry Products 🚺 Liquid Products
PRODUCT NAME	INDUSTRY	USES
Nitric Acid 57% (38° Baume)	<ul> <li>Cleaning and Sanitation</li> <li>Metal Manufacturing</li> <li>Chemical</li> <li>Food Production</li> <li>Agriculture</li> </ul>	<ul> <li>Industrial cleaning</li> <li>Zirconium metal pickling</li> <li>Clean-In-Place (CIP) cleaner</li> <li>Wastewater treatment</li> <li>Specialty fertilizer ingredient</li> </ul>
PRODUCT NAME	INDUSTRY	USES
Phosphoric Acid 0-54-0 (IGPA)	<ul><li>Pulp and Paper</li><li>Agriculture</li></ul>	<ul><li>Wastewater treatment</li><li>Phosphate nutrient source</li></ul>
PRODUCT NAME	INDUSTRY	USES
Phosphoric Acid Merchant Grade 0-52-0 (MGA)	<ul><li>Pulp and Paper</li><li>Renewable Energy</li><li>Agriculture</li></ul>	<ul><li>Wastewater treatment</li><li>Incinerating</li><li>Phosphate nutrient source</li></ul>
PRODUCT NAME	INDUSTRY	USES
Purified Phosphoric Acid 0-55-0	<ul> <li>Industrial Detergents</li> <li>Wood Products</li> <li>Metal Treatment</li> <li>Foliar / Specialty Fertilizers</li> <li>Petrochemical Industry</li> <li>Food Processing</li> <li>Biofuels</li> <li>Industrial Manufacturing</li> <li>Paints and Solvents</li> <li>Municipalities Waste Treatment</li> <li>Pulp and Paper</li> <li>Apple Industry</li> <li>Industrial Metal Finishing</li> </ul>	<ul> <li>Improves detergent coupled with pH</li> <li>Wood treatment / fire retardant</li> <li>Cleaning agent</li> <li>Fertilizer ingredient</li> <li>Water treatment</li> <li>pH control</li> <li>pH control</li> <li>Scaling and corrosion control</li> <li>Galvanization</li> <li>Incinerating</li> <li>Brightening paper</li> <li>Cleaning agent</li> <li>Surface adherence / treatment in metal manufacturing</li> </ul>
PRODUCT NAME	INDUSTRY	USES

Sulfuric Acid 50% (SA50)

Crophabor FOODS

- Beer Manufacturing
- Wastewater Treatment

• Semiconductor



## PRODUCT NAME

INDUSTRY

USES

- To make hop extract
- pH control
- Etching





### PRODUCT NAME

Sulfuric Acid 93% (66° Baume) (SA93) Available in Food Grade, Kosher Grade, and NSF.

#### **INDUSTRY**

- Ethanol Manufacturing
- Cheese Production
- Manufacturing Facilities
- Food Processing
- Sugar
- Tungsten Carbide Manufacturing
- Agriculture
- Mining
- Electronics
- Pulp and Paper
- Power Generation
- Heavy Metal Manufacturing
- Chemical
- Olive Processing
- Resin Manufacturing

pH control, NOx abatement, air pollution control

USES

- Wastewater treatment
- Commercial strength cleaning and sanitation
- Potato starch manufacturing (coating)
- · Treats the resin beads that are in the juice softeners
- · Breaks down build-up on metal moulding
- Hoof baths for cattle
- Flotation separation in mining processes
- pH control
- pH control
- pH control
- pH control
- Tartaric acid production
- Olive pickling
- To make magnesium sulfate

#### PRODUCT NAME

Sulfuric Acid 98% (SA98) Available in Food Grade, Kosher Grade, NSF, and Electrolyte Grade

### INDUSTRY

- Technology
- Cholorine Manufacturing
- Aluminium Sulfate Production
- Battery Manufacturing

#### USES

USES

USES

- Production of wafers in acid baths
- Drying agent
- Additive in the manufacturing process
- · Ingredient in sealed batteries

Wastewater treatment

· Strengthening agent

#### PRODUCT NAME

Super Phosphoric Acid 0-68-0 (SPA)

## INDUSTRY

INDUSTRY

- Pulp and Paper
- Agriculture
- Asphalt/Road Construction

#### **PRODUCT NAME**

Solution 32-0-0 (UAN-32)

# Urea Ammonium Nitrate

- Pulp and Paper
  - Agriculture

Nutrients for wastewater ponds

• Speciality ag fertilizer ingredient

Fertilizer





PRODUCT NAME	INDUSTRY	USES
Vrea Solution 40% with	<ul> <li>Spandex/Resin/Chemical and</li> </ul>	NOx abatement

- Spandex/Resin/Chemical and Polymers Manufacturing
- Power Generation

**Deionized Water** 

© 2023 J.R. Simplot Company. All rights reserved. The foregoing trademarks are owned by the J. R. Simplot Company. 2460039.18804J

