

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Date of issue: 03/31/2025

Revised on 03/31/2025

1 Identification

- **Product Identifier**
- **Trade Name: Clean**
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Water treatment
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
 ReThink Poolcare
 Po Box 271722
 Flower Mound, Tx, 75028
 P: 800-592-0619
 rethinkpoolcare.com
 care@rethinkpoolcare.com
- **Emergency telephone number:** 800-592-0619

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Specific target organ toxicity (single exposure) 3 H335 May cause respiratory irritation.

Eye irritation 2B

H320 Causes eye irritation.

Aquatic Acute 3

H402 Harmful to aquatic life.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Warning
- **Hazard-determining components of labeling:**
Ammonium Sulfate
- **Hazard statements:**
 H320 Causes eye irritation.
 H335 May cause respiratory irritation.
 H402 Harmful to aquatic life.
- **Precautionary statements:**

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.

· **Information pertaining to particular dangers for man and environment:**

· **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

· **Hazard(s) not otherwise classified (HNOC):** None known

· **Classification according to (d)(1)(ii) of § 1910.1200**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

* 3 Composition/Information on Ingredients

· **Chemical characterization: Substance**

· **Description:**

Mixture of substances listed with non-hazardous additions and/or components that are less than listing threshold. All non-hazardous, components listed under threshold, and listed component total 100%.

· **Dangerous Components:**

CAS: 7783-20-2	Ammonium Sulfate	100%
RTECS: BS 4500000	⚠ Skin irritation 2, H315; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H335; Aquatic Acute 3, H402	

4 First-Aid Measures

· **Description of first aid measures**

· **General information:**

If symptoms persist, call a physician.
Remove contaminated clothing.

· **After inhalation:**

After inhalation of dust. Fresh air. If difficulties occur: Seek medical attention. After inhalation of decomposition products: Keep patient calm, remove to fresh air, seek medical attention.

· **After skin contact:** Wash thoroughly with soap and water.

· **After eye contact:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

· **After swallowing:** Rinse mouth immediately and then drink plenty of water, seek medical attention.

· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

· **Danger Treatment:** After inhalation of decomposition products: Pulmonary edema prophylaxis.

· **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

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5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Class B: dry chemical, carbon dioxide, foam, steam or water fog.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** Ammonia, can be emitted at 235 °C
- **Advice for firefighters**
Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**
Avoid contact with skin, eyes and clothing.
Avoid release to the environment.
- **For non-emergency personnel**
Do not get in eyes, on skin, or on clothing. Take appropriate protective measures.
- **For emergency responders**
Do not get in eyes, on skin, or on clothing. Take appropriate protective measures (use PPE suggested in section 8).
- **Environmental precautions:**
Do not discharge into drains/surface waters/groundwater. Retain and dispose of contaminated wash water.
- **Methods and material for containment and cleaning up:**
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.

· **PAC-1:**
All components have the value 13 mg/m³.

· **PAC-2:**
All components have the value 99 mg/m³.

· **PAC-3:**
All components have the value 590 mg/m³.

- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

- **Precautions for safe handling:**
Keep away from sources of ignition – no smoking. Handle in accordance with good industrial hygiene and safety practice. Avoid all sources of ignition: heat, sparks, open flame.
- **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Segregate from alkalis and alkalizing substances. Segregate from nitrites and alkaline substances.
- **Information about storage in one common storage facility:**
Not required.
Protect against moisture. The substance/product may cake under the influence of moisture.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Control parameters:**
- **Components with occupational exposure limits:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Appropriate engineering controls** No further data; see section 7.
- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**



NIOSH/OSHA approved breathing apparatus.

- **Protection of hands:**



Protective gloves

- **Material of gloves:**
Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm); polyvinylchloride (0.7 mm), and other, Consult with glove manufacturer for testing data.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:**
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.
- **Limitation and supervision of exposure into the environment:** None

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9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Solid
- **Color:** White to Yellowish Tint
- **Odor:** Odorless
- **Odor threshold:** Not determined.
- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.
- **Flammability:** Not determined.
- **Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** None
- **Auto igniting:** Not applicable
- **Decomposition temperature:** >25 °C (>77 °F)
- **pH-value @ 20 °C (68 °F):** 5.1
- **Viscosity:**
- **Kinematic:** Not applicable.
- **Dynamic:** Not applicable.
- **Solubility in / Miscibility with:**
- **Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Vapor pressure:** Not applicable.
- **Vapor pressure:**
- **Density @ 20 °C (68 °F):** 1.766 g/cm³ (14.7373 lbs/gal)
- **Relative density @ 20 °C (68 °F):** 1.77
- **Vapor density:** Not applicable.
- **Particle characteristics** Not determined.
- **Other information:**
- **Appearance:**
- **Form:** Solid
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Solvent content:**
- **VOC content:** 0.00 %
- **Solids content:** 100.0 %
- **Change in condition**
- **Evaporation rate:** Not applicable.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:**
Evolution of ammonia under influence of alkalis. Reacts with alkalis and nitrites.
- **Conditions to avoid:**
Avoid strong oxidizers, acids and alkalis.

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- Protect from atmospheric humidity.
- **Incompatible materials:** Alkaline reactive substances, nitrites
- **Hazardous decomposition products:** Ammonia

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

7783-20-2 Ammonium Sulfate

Oral	LD50	2,840 mg/kg (Rat)
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- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- In the lung: May have irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Alternative sources for toxicological information**

No non-standard sources for toxicological information where used.

* 12 Ecological Information

- **Toxicity:**

- **Aquatic toxicity:**

7783-20-2 Ammonium Sulfate

LC50/96h	36.7 mg/L (Trout)
	433 mg/L (Water flea)

- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:**
- **Additional ecological information:**
- **General notes:** No further relevant information available.

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13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **Special precautions for user:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

* 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

All ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Hazardous Air Pollutants**

None of the ingredients are listed.

- **California Proposition 65:**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

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· New Jersey Right-to-Know List:
None of the ingredients are listed.
· New Jersey Special Hazardous Substance List:
None of the ingredients are listed.
· Pennsylvania Right-to-Know List:
All ingredients are listed.
· Pennsylvania Special Hazardous Substance List:
All components have the value E.
· Carcinogenic categories:
· EPA (Environmental Protection Agency):
None of the ingredients are listed.
· TLV (Threshold Limit Value established by ACGIH):
None of the ingredients are listed.
· NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients are listed.
· GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).
· Hazard pictograms:

· Signal word: Warning
· Hazard-determining components of labeling:
Ammonium Sulfate
· Hazard statements:
H320 Causes eye irritation.
H335 May cause respiratory irritation.
H402 Harmful to aquatic life.
· Precautionary statements:
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a poison center/doctor if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· National regulations:
The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

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- **Other regulations, limitations and prohibitive regulations:**
OSHA SDS requirements do not follow FIFRA labeling requirements.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of previous version** 11/23/2024
- **Version number of previous version:** 4
- **Date of preparation** 03/31/2025
- **Abbreviations and acronyms:**
 ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety and Health
 OSHA: Occupational Safety & Health Administration
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Skin irritation 2: Skin corrosion/irritation – Category 2
 Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
 Eye irritation 2B: Serious eye damage/eye irritation – Category 2B
 Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3
 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
- *** Data compared to the previous version altered.**
 SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106