



SAFETY DATA SHEET

according to Federal Register Vol. 77, No. 58
Monday, March 26, 2012
Rules and Regulations

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form: Mixture
Product name: Turbo
Product code: 80255

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

PowerAG
2213 Leabrook Road, Lancaster PA 17601
1-800-842-2578 powerag.com

1.4. Emergency telephone number

Emergency number: 1-800-424-9300 ChemTrec

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS-US classification
Not classified.

2.2. Label elements

GHS-US labeling
No labeling applicable.

2.3. Other hazards

No additional information available.

2.4. Unknown acute toxicity (GHS-US)

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%	GHS-US classification
ammonium sulfate	(CAS No)7783-20-2	10-50	Not classified

Full text of H-statements: See section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion: Rinse mouth. DO NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.



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Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated area. Keep container closed when not in use.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

Storage temperature: ≥ 25 (5–42) °C

7.3. Specific end use(s)

No additional information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Turbo

ACGIH: Not applicable.

OSHA: Not applicable.

ammonium sulfate (7783-20-2)

ACGIH: Not applicable.

OSHA: Not applicable.

8.2. Exposure controls

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink, or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Color: Amber.



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Odor: Characteristic odor
Odor threshold: No data available.
pH: ≤ 5
Melting point: No data available.
Freezing point: $\leq 0\text{ }^{\circ}\text{C}$
Boiling point: $\geq 100\text{ }^{\circ}\text{C}$
Flash point: None
Relative evaporation rate (butylacetate=1): No data available.
Flammability (solid, gas): No data available.
Explosive limits: No data available.
Explosive properties: No data available.
Oxidizing properties: No data available.
Vapor pressure: No data available.
Relative density: No data available.
Relative vapor density at 20 °C: No data available.
Density: $\geq 1.21\text{ g/ml}$
Solubility: Soluble in water.
Water: Solubility in water of components of the mixture:
• Ammonium Sulfate: 77 g/100ml
Log Pow: No data available.
Log Kow: No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.
Viscosity, kinematic: No data available.
Viscosity, dynamic: No data available.

9.2. Other information

VOC content: $\leq 10\text{ g/l}$

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fumes. Carbon monoxide. Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Not classified.

ammonium sulfate (7783-20-2)

LD50 oral rat: 2840 mg/kg (Rat)

ATE US (oral): 2840.000 mg/kg bodyweight

Skin corrosion/irritation: Not classified.

pH: ≤ 5

Serious eye damage/irritation: Not classified.

pH: ≤ 5

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.



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Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity (single exposure): Not classified.

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: Not classified.

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

ammonium sulfate (7783-20-2)

EC50 Daphnia 1: 202 mg/l (EC50; 96 h)

LC50 fish 2: 250–480 mg/l (LC50; 96 h; Brachydanio rerio)

12.2. Persistence and degradability

Turbo

Persistence and degradability: Not established.

ammonium sulfate (7783-20-2)

Persistence and degradability: Biodegradability in water: no data available.

12.3. Bioaccumulative potential

Turbo

Bioaccumulative potential: Not established.

ammonium sulfate (7783-20-2)

Log Pow: -5.1

Bioaccumulative potential: Bioaccumulation: not applicable.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming: No known ecological damage caused by this product.

Other information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology—waste materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport.

Additional information:

Other information: No supplementary information available.

ADR: No additional information available.

Transport by sea: No additional information available.

Air transport: No additional information available.

SECTION 15: REGULATORY INFORMATION

15.1. US Federal regulations

ammonium sulfate (7783-20-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA: No additional information available.

EU-Regulations: No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]: No additional information available.

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]: Not classified.

National Regulations: No additional information available.

15.3. US State regulations

No additional information available.



SECTION 16: OTHER INFORMATION

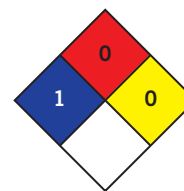
Other information: None.

NFPA health hazard: 1—Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 0—Materials that will not burn.

NFPA reactivity: 0—Normally stable, even under fire exposure conditions, and are not reactive with water.

NFPA specific hazard: None.



HMIS III Rating

Health: 1 Slight Hazard—Irritation or minor reversible injury possible.

Flammability: 0 Minimal Hazard—Materials that will not burn.

Physical: 0 Minimal Hazard—Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection: C

C—Safety glasses, gloves, synthetic apron

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.