



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

1.1. Product identifier

Product form: Mixture
Product name: Turbo
Product code: 80891
Formula: 80891

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

Serious eye damage/eye irritation, Category 1 H318—Causes serious eye damage
Full text of H statements: See section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS US):



Signal word (GHS US): Danger

Hazard statements (GHS US): H318—Causes serious eye damage

Precautionary statements (GHS US): P280—Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P338—IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310—Immediately call a poison center or doctor.

2.3. Other hazards

No additional information available.

2.4. Unknown acute toxicity (GHS-US)

Not applicable.

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	Aquatic Acute 3, H402
CAPRYLYL/CAPRYL GLUCOSIDE	(CAS No.) 68515-73-1	1–10	Eye Damage 1, H318

Full text of H- and EUH-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: Allow affected person to breathe fresh air. 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.



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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 (acute and delayed)

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

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

4.3. Immediate medical attention and special treatment, if necessary

No additional information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Foam, dry powder, carbon dioxide, water spray, or sand.

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

5.2. Special hazards arising from the chemical

5.3. Special protective equipment and precautions 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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Turbo: No additional information available.

ammonium sulfate (7783-20-2): No additional information available.

CAPRYLYL/CAPRYL GLUCOSIDE (68515-73-1): No additional information available.

8.2. Appropriate engineering controls

8.3. 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: Pale Yellow

Odor: Mild

Odor threshold: No data available.

pH: 5–9

Melting point: No data available.

Freezing point: ≤ 0 °C

Boiling point: ≥ 100 °C

Flash point: None

Relative evaporation rate (butylacetate=1): No data available.

Flammability (solid, gas): Non flammable.

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: 1.215 g/ml

Solubility: Soluble in water.

Log Pow: No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity, kinematic: No data available.

Viscosity, dynamic: No data available.

9.2. Other information

VOC content: ≤ 10 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 (oral): Not classified.

Acute toxicity (dermal): Not classified.

Acute toxicity (inhalation): Not classified.



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ammonium sulfate (7783-20-2)

LD50 oral rat: 4250 mg/kg bodyweight [Equivalent or similar to OECD 401, rat, male/female, experimental value, oral, 7 day(s)]

LD50 dermal rat: > 2000 mg/kg bodyweight [OECD 434: Acute dermal toxicity—fixed dose procedure, rat, male/female, experimental value, dermal, 14 day(s)]

Skin corrosion/irritation: Not classified.
pH: 5–9

Serious eye damage/irritation: Causes serious eye damage.
pH: 5–9

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

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.

Viscosity kinematic: No data available.

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

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

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

ammonium sulfate (7783-20-2)

LC50 fish 1: 53 mg/l (96 h, *Oncorhynchus mykiss*, fresh water)

EC50 Daphnia 1: 169 mg/l (48 h, *Daphnia magna*, static system, fresh water)

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)

Partition coefficient n-octanol/water (Log Pow): -5.1 (Experimental value, Equivalent or similar to OECD 107, 25 °C)

Bioaccumulative potential: Not bioaccumulative.

12.4. Mobility in soil

ammonium sulfate (7783-20-2)

Ecology - soil: No (test)data on mobility of the substance available.

12.5. Other adverse effects

Other information: No known ecological damage caused by this product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal Methods

Product/packaging 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 applicable.



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Transportation of dangerous goods: Not applicable.

Transport by sea: Not applicable.

Air transport: Not applicable.

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.

CAPRYLYL/CAPRYL GLUCOSIDE (68515-73-1)

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.

National Regulations: No additional information available.

15.3. US State regulations

No additional information available.

SECTION 16: OTHER INFORMATION

Other information: None

Full text of H-statements

H318: Causes serious eye damage.

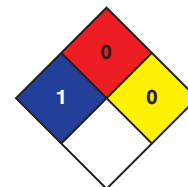
H402: Harmful to aquatic life.

NFPA health hazard: 1—Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard: 0—Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity: 0—Material that in themselves are normally stable, even under fire conditions.

NFPA specific hazard: None



Hazard 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.