



TURBOCHARGE®
POWERAG™

SAFETY DATA SHEET

According to Federal Register Vol. 77, No. 58
Monday, March 28, 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: TurboCharge

Product code: 80887

Formula: 80887

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 test of H statements: See section 16.

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS US)



Signal word (GHS US): Warning

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

Precautionary statements: P280–Wear protective gloves, protective clothing, eye protection, and 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 Dam. 1, H318

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.



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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, both 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. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable (and unsuitable) extinguishing media:

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

Unsuitable extinguishing media: Do not use heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available.

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 the 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

TurboCharge:

No additional information available.



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Ammonium sulfate (7783-20-2)

No additional information available.

CAPRYLYL/CAPRYL GLUCOSIDE (68515-73-1)

No additional information available.

8.2. Control parameters

Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye Protection: Chemical glasses or safety goggles.

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.

Water: Solubility in water of components of the mixture:

- Ammonium Sulfate: 77 g/100 ml

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: ≤ 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.



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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.

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: Not classified.

pH: 5–9

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

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

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

Aspiration hazard: Not classified.

Viscosity, kinematic: Not classified.

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

TurboCharge

Persistence and degradability: Not established.

Ammonium sulfate (7783-20-2)

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

12.3. Bioaccumulative potential

TurboCharge

Bioaccumulative potential: Not established.

Ammonium sulfate (7783-20-2)

Partition coefficient n-octano/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: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal methods

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

Ecology—waste materials: Avoid release to the environment.



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SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT.

Not applicable.

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

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

Other information: None.

Full text of H-statements:

H318: Causes serious eye damage.

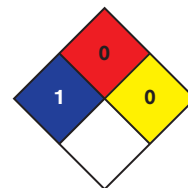
H402: Harmful to aquatic life.

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 Rating: 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.