

CLEANOUT™
POWERAG™

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: CleanOut

Product code: 20097

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

Flam. Liq. Not classified.

Skin Corr. 1A: H314

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US):



GHS05

Signal word (GHS-US): Danger

Hazard statements (GHS-US):

H314: Causes severe skin burns and eye damage.

Precautionary statements (GHS-US):

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash . . . thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: remove victim to fresh air and keep at rest in a position 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.

P310: Immediately call a POISON CENTER or doctor/physician.

P321: Specific treatment (see . . . on this label).

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents/container to . . .

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.

Full text of H-phrases: See section 16.



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3.2. Mixture

Name	Product identifier	%	GHS-US classification
potassium hydroxide	(CAS No)1310-58-3	5–25	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Aquatic Acute 3, H402
disodium metasilicate	(CAS No)6834-92-0	1–10	Skin Corr. 1A, H314
2-aminoethanol	(CAS No)141-43-5	1–10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314

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: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries: Causes severe skin burns and eye damage.

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, or sand.

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

5.2. Special hazards arising from the substance or mixture

Fire hazard: Combustible liquid.

Explosion hazard: May form flammable/explosive vapour-air mixture.

Reactivity: Thermal decomposition generates : Corrosive vapours.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter 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

General measures: Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

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

Additional hazards when processed: Handle empty containers with care because residual vapours are flammable. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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. No naked lights. No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures: Wash . . . thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep in fireproof place.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight. Heat sources.

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

potassium hydroxide (1310-58-3)

USA ACGIH | ACGIH Ceiling (mg/m³) | 2 mg/m³

2-aminoethanol (141-43-5)

USA ACGIH | ACGIH TWA (ppm) | 3 ppm

USA ACGIH | ACGIH STEL (ppm) | 3 ppm

8.2. Exposure controls

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield.

Skin and body protection: Wear suitable protective clothing.

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: Red

Odor: Characteristic odor

Odor threshold: No data available.

pH: ≥ 13

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

Melting point: No data available.

Freezing point: ≤ 0 °C

Boiling point: ≥ 100 °C

Flash point: None

Self ignition temperature: No data available.

Decomposition temperature: No data available.

Flammability (solid, gas): No data available.

Vapor pressure: No data available.

Relative vapor density at 20 °C: No data available.

Relative density: No data available.

Density: ≥ 1.085 g/ml



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Solubility: Soluble in water.

Log Pow: No data available.

Log Kow: No data available.

Viscosity, kinematic: No data available.

Viscosity, dynamic: No data available.

Explosive properties: No data available.

Oxidizing properties: No data available.

Explosive limits: No data available.

9.2. Other information

VOC content: <= 54 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Thermal decomposition generates corrosive vapors.

10.2. Chemical stability

Not established. Combustible liquid. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases. Thermal decomposition generates: Corrosive vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Not classified.

disodium metasilicate (6834-92-0)

LD50 dermal rat: > 5000 mg/kg bodyweight (Rat)

potassium hydroxide (1310-58-3)

LD50 oral rat: 333 mg/kg (Rat; Experimental value, Rat; Experimental value)

2-aminoethanol (141-43-5)

LD50 oral rat: 1720 mg/kg (Rat)

LD50 dermal rabbit: 1018 mg/kg (Rabbit)

Skin corrosion/irritation: Causes severe skin burns and eye damage.
pH: >= 13

Serious eye damage/irritation: Not classified.
pH: >= 13

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.

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

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

disodium metasilicate (6834-92-0)

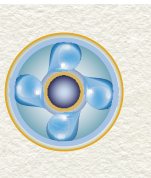
LC50 fishes 1: 210 mg/l (96 h; Brachydanio rerio)

EC50 Daphnia 1: 216 mg/l (96 h; Daphnia magna; Static system)

LC50 fish 2: 2320 mg/l (96 h; Gambusia affinis)

EC50 Daphnia 2: 632 mg/l (96 h; Lymnaea sp.; Static system)

Threshold limit algae 1: 207 mg/l (72 h; Scenedesmus subspicatus; GLP)



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potassium hydroxide (1310-58-3)

LC50 fishes 1: > 28.6 mg/l (96 h; Pisces; Lethal)

LC50 fish 2: 80 mg/l (Gambusia affinis)

TLM fish 1: 80 ppm (24 h; Gambusia affinis)

2-aminoethanol (141-43-5)

LC50 fishes 1: 150 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)

EC50 Daphnia 1: 140 mg/l (24 h; Daphnia magna)

LC50 fish 2: 329.16 mg/l (96 h; Lepomis macrochirus)

TLM fish 1: 100–1000,96 h; Pisces

TLM other aquatic organisms 1: 100–1000,96 h

Threshold limit algae 1: 0.97 mg/l (192 h; Scenedesmus quadricauda; Inhibitory)

Threshold limit algae 2: 35 mg/l (72 h; Algae)

12.2. Persistence and degradability

CleanOut

Persistence and degradability: Not established.

disodium metasilicate (6834-92-0)

Persistence and degradability: Biodegradability: not applicable. No (test)data on mobility of the substance available.

Biochemical oxygen demand (BOD): Not applicable.

Chemical oxygen demand (COD): Not applicable.

ThOD: Not applicable.

BOD (% of ThOD): Not applicable.

potassium hydroxide (1310-58-3)

Persistence and degradability: Biodegradability: not applicable.

Biochemical oxygen demand (BOD): Not applicable.

Chemical oxygen demand (COD): Not applicable.

ThOD: Not applicable.

BOD (% of ThOD): Not applicable.

2-aminoethanol (141-43-5)

Persistence and degradability: Readily biodegradable in water. Biodegradable in the soil.

Biochemical oxygen demand (BOD): 0.80 g O₂/g substance

Chemical oxygen demand (COD): 1.34 g O₂/g substance

ThOD: 2.49 g O₂/g substance

BOD (% of ThOD): 0.32 % ThOD

12.3. Bioaccumulative potential

CleanOut

Bioaccumulative potential: Not established.

disodium metasilicate (6834-92-0)

Bioaccumulative potential: Bioaccumulation: not applicable.

potassium hydroxide (1310-58-3)

Bioaccumulative potential: Bioaccumulation: not applicable.

2-aminoethanol (141-43-5)

Log Pow: -1.91

Bioaccumulative potential: Bioaccumulation: not applicable.

12.4. Mobility in soil

2-aminoethanol (141-43-5)

Surface tension: 0.050 N/m

12.5. Other adverse effects

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.

Dispose of contents/container to . . .

Additional information: Handle empty containers with care because residual vapours are flammable.

Ecology—waste materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In accordance with DOT.

No dangerous goods in sense of transport regulations.

Additional Information:

Other Information: Consumer Commodity ORM-D for 128 oz or less.

ADR: Transport Document Description: ORM-D for DOT ground.

Transport by sea: No additional information available.

Air Transport: No additional information available.

SECTION 15: REGULATORY INFORMATION

15.1. US Federal regulations

disodium metasilicate (6834-92-0)

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

2-aminoethanol (141-43-5)

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]

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

15.2.2. National regulations

No additional information available.

15.3. US State regulations

2-aminoethanol (141-43-5)

U.S.: New Jersey - Right to Know Hazardous Substance List.

SECTION 16: OTHER INFORMATION

Other information: None

Full text of H-phrases: see section 16:

Acute Tox. 4 (Dermal): Acute toxicity (dermal), Category 4.

Aquatic Acute 4 (Oral): Acute toxicity (oral), Category 4.

Aquatic Acute 3: Hazardous to the aquatic environment—AcuteHazard, Category 3.

Flam. Liq. 4: Flammable liquids, Category 4.

Flam. Liq. Not classified: Flammable liquids Not classified.

Skin Corr. 1A: Skin corrosion/irritation, Category 1A.

H227: Combustible liquid.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

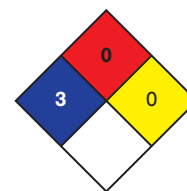
H402: Harmful to aquatic life.

NFPA health hazard: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was 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: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given.

Flammability: 0 Minimal Hazard.

Physical: 0 Minimal Hazard.

Personal Protection: C

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.