



**820 SPREADER**  
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:** Spreader820  
**Product code:** 80257

**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  
**Eye Irrit. 2B:** H320  
**Aquatic Acute 3:** H402

**2.2. Label elements**

GHS-US labeling  
**Signal word (GHS-US):** Warning  
**Hazard statements (GHS-US):**  
**H320:** Causes eye irritation.  
**H402:** Harmful to aquatic life.  
**Precautionary statements (GHS-US):**  
**P264:** Wash . . . thoroughly after handling.  
**P273:** Avoid release to the environment.  
**P305+P351+P338:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P337+P313:** If eye irritation persists: Get medical advice/attention.  
**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.

**3.2. Mixture**

Name	Product identifier	%	GHS-US classification
nonylphenoxy poly(ethyleneoxy) ethanol (9EO)	(CAS No)9016-45-9	10-50	Aquatic Acute 2, H401

**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

**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, or sand.

**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. 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

#### 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. Avoid release to the environment.

### 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 place away from : Keep container closed when not in use.

**Incompatible products:** Strong bases. Strong acids.

**Incompatible materials:** Sources of ignition. Direct sunlight.

**Storage temperature:**  $\geq 25$  (5–42) °C

### 7.3. Specific end use(s)

No additional information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No additional information available.

**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**Odor:** Characteristic odor**Odor threshold:** No data available.**pH:**  $\leq 7$ **Relative evaporation rate (butylacetate=1):** No data available.**Melting point:** No data available.**Freezing point:**  $\leq 0$  °C**Boiling point:**  $\geq 100$  °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:** 1.022 g/ml**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:**  $\leq 10$  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:** Not classified.**Skin corrosion/irritation:** Not classified.pH:  $\leq 7$

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**Serious eye damage/irritation:** Not classified.  
pH: ≤ 7

**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**

**Ecology - water:** Harmful to aquatic life.

nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)

**LC50 fishes 1:** 5 mg/l (96 h; *Gasterosteus aculeatus*; Intermittent flow).

**EC50 other aquatic organisms 1:** 500 mg/l (*Selenastrum capricornutum*; Chronic).

**LC50 fish 2:** 7 mg/l (96 h; *Leuciscus idus*).

**Threshold limit algae 1:** 500 mg/l (*Selenastrum capricornutum*; Cell numbers).

**12.2. Persistence and degradability**

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**Persistence and degradability:** Not established.

nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)

**Persistence and degradability:** Not readily biodegradable in water.

**12.3. Bioaccumulative potential**

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**Bioaccumulative potential:** Not established.

nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)

**Log Pow:** > 4

**12.4. Mobility in soil**

No additional information available.

**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 . . .

**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:** No supplementary information available.

**ADR:** Transport document description.

**Transport by sea:** No additional information available.

**Air transport:** No additional information available.

**SECTION 15: REGULATORY INFORMATION****15.1. US Federal regulations**

**nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)**

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**

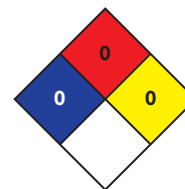
No additional information available.

**15.3. US State regulations**

No additional information available.

**SECTION 16: OTHER INFORMATION****Other information:** None

Full text of H-phrases: see section 16:

**Aquatic Acute 2:** Hazardous to the aquatic environment – AcuteHazard, Category 2.**Aquatic Acute 3:** Hazardous to the aquatic environment – AcuteHazard, Category 3.**Eye Irrit. 2B:** Serious eye damage/eye irritation, Category 2B.**H320:** Causes eye irritation.**H401:** Toxic to aquatic life.**H402:** Harmful to aquatic life.**NFPA health hazard:** 0—Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.**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:** 0 Minimal Hazard - No significant risk to health.**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.*