

LINDHAUS USA  
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# SAFETY DATA SHEET

Issue Date 28-May-2014

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Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name PURE POWER DYE OUT

### Other means of identification

Product Code

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Red Dye Remover

Uses advised against No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Lindhaus USA PO Box 159 Savage, MN 55378

### Emergency telephone number

Company Phone Number 952-707-1131

24 Hour Emergency Phone Number 800-424-9300

Emergency Telephone Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |                           |
|--|---------------------------|
| Skin corrosion/irritation                        | Category 1 Sub-category B |
| Serious eye damage/eye irritation                | Category 1                |
| Reproductive toxicity                            | Category 2                |
| Specific target organ toxicity (single exposure) | Category 3                |

### Label elements

#### Emergency Overview

#### Danger

#### Hazard statements

Causes severe skin burns and eye damage

Suspected of damaging fertility or the unborn child

May cause respiratory irritation. May cause drowsiness or dizziness

**Appearance** Clear**Physical state** liquid**Odor** Strong Ammonia Odor**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
 Specific treatment (see .? on this label)  
 IF IN EYES: 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  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

- May be harmful if swallowed
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

Unknown Acute Toxicity 1.3% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name        | CAS No.   | Weight-% | Trade Secret |
|----------------------|-----------|----------|--------------|
| DEG Methy Ether      | 111-77-3  | <15      | *            |
| Ammonium Hydroxide   | 1336-21-6 | <15      | *            |
| Sodium Metabisulfite | 7681-57-4 | <5       | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures**

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|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.  |
| <b>Skin Contact</b> | Rinse with clear water.   |
| <b>Inhalation</b>   | Remove to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get medical attention. |
| <b>Ingestion</b>    | Immediately drink large quantities of water. Get medical attention.   |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Alcohol Foam.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** PH adjust and dispose in accordance with federal and state regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container closed when not in use. Do not freeze. Follow label instructions. Keep out of reach of children.

**Incompatible materials** Strong acids. OXIDIZERS.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name                     | ACGIH TLV                | OSHA PEL                           | NIOSH IDLH               |
|-----------------------------------|--------------------------|------------------------------------|--------------------------|
| Sodium Metabisulfite<br>7681-57-4 | TWA: 5 mg/m <sup>3</sup> | (vacated) TWA: 5 mg/m <sup>3</sup> | TWA: 5 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear Neoprene or protective rubber gloves. Drenching safety shower and eye wash station.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                       |              |                       |                          |
|-----------------------|--------------|-----------------------|--------------------------|
| <b>Physical state</b> | liquid       | <b>Odor</b>           | Strong Ammonia Odor      |
| <b>Appearance</b>     | Clear        | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | Clear Liquid |                       |                          |

| <u>Property</u>               | <u>Values</u>            | <u>Remarks • Method</u> |
|-------------------------------|--------------------------|-------------------------|
| pH                            | 9.5                      |                         |
| Melting point/freezing point  | No information available |                         |
| Boiling point / boiling range | 100 >212°F               |                         |
| Flash point                   | No information available |                         |
| Evaporation rate              | >1                       |                         |
| Flammability (solid, gas)     | No information available |                         |
| Flammability Limit in Air     |                          |                         |
| Upper flammability limit:     | No information available |                         |
| Lower flammability limit:     | No information available |                         |
| Vapor pressure                | No information available |                         |
| Vapor density                 | <1                       |                         |
| Specific Gravity              | 1.01                     |                         |
| Water solubility              | completely soluble       |                         |
| Solubility in other solvents  | No information available |                         |
| Partition coefficient         | No information available |                         |

|                                  |                          |
|----------------------------------|--------------------------|
| <b>Autoignition temperature</b>  | No information available |
| <b>Decomposition temperature</b> | No information available |
| <b>Kinematic viscosity</b>       | No information available |
| <b>Dynamic viscosity</b>         | No information available |
| <b>Explosive properties</b>      | No information available |
| <b>Oxidizing properties</b>      | No information available |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | 8.43                     |
| <b>Bulk density</b>     | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous polymerization**      Hazardous polymerization does not occur.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

Strong acids. OXIDIZERS.

**Hazardous Decomposition Products**Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). heat.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

|                            |   |
|----------------------------|---|
| <b>Product Information</b> | No data available                       |
| <b>Inhalation</b>          | Irritation and difficulty in breathing. |
| <b>Eye contact</b>         | Severely irritating to eyes.            |
| <b>Skin Contact</b>        | No data available.                      |
| <b>Ingestion</b>           | Gastric pain and vomiting.              |

| Chemical Name                     | Oral LD50            | Dermal LD50                                       | Inhalation LC50 |
|-----------------------------------|----------------------|---|-----------------|
| DEG Methy Ether<br>111-77-3       | = 4 mL/kg ( Rat )    | = 650 mg/kg ( Rabbit ) = 2500<br>µL/kg ( Rabbit ) | -               |
| Ammonium Hydroxide<br>1336-21-6   | = 350 mg/kg ( Rat )  | -   | -               |
| Sodium Metabisulfite<br>7681-57-4 | = 1310 mg/kg ( Rat ) | > 2 g/kg ( Rat )                                  | -               |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available.

| Chemical Name                     | ACGIH | IARC    | NTP | OSHA |
|-----------------------------------|-------|---------|-----|------|
| Sodium Metabisulfite<br>7681-57-4 | -     | Group 3 | -   | -    |

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 1.3% of the mixture consists of ingredient(s) of unknown toxicity  
The following values are calculated based on chapter 3.1 of the GHS document .

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

1.3% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                     | Algae/aquatic plants  | Fish  | Crustacea  |
|-----------------------------------|---|---|--|
| DEG Methy Ether<br>111-77-3       | 500: 72 h Desmodemus subspicatus mg/L EC50  | 7500: 96 h Lepomis macrochirus mg/L LC50 static 5741: 96 h Pimephales promelas mg/L LC50 7500: 96 h Lepomis macrochirus mg/L LC50 | 500: 48 h Daphnia magna mg/L EC50                                  |
| Ammonium Hydroxide<br>1336-21-6   | -   | 8.2: 96 h Pimephales promelas mg/L LC50   | 0.66: 48 h Daphnia pulex mg/L EC50 0.66: 48 h water flea mg/L EC50 |
| Sodium Metabisulfite<br>7681-57-4 | 48: 72 h Desmodemus subspicatus mg/L EC50 40: 96 h Desmodemus subspicatus mg/L EC50 | 32: 96 h Lepomis macrochirus mg/L LC50 static   | 89: 24 h Daphnia magna Straus mg/L EC50                            |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

| Chemical Name                     | Partition coefficient |
|-----------------------------------|-----------------------|
| DEG Methy Ether<br>111-77-3       | -0.682                |
| Sodium Metabisulfite<br>7681-57-4 | -3.7                  |

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

| Chemical Name                   | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| Ammonium Hydroxide<br>1336-21-6 | Toxic<br>Corrosive                |

#### 14. TRANSPORT INFORMATION

DOT Not regulated

#### 15. REGULATORY INFORMATION

##### International Inventories

|               |          |
|---------------|----------|
| TSCA          | Complies |
| DSL/NDSL      | Complies |
| EINECS/ELINCS | Complies |
| ENCS          | Complies |
| IECSC         | Complies |
| KECL          | Complies |
| PICCS         | Complies |
| AICS          | Complies |

##### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

##### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                  | SARA 313 - Threshold Values % |
|--------------------------------|-------------------------------|
| DEG Methy Ether - 111-77-3     | 1.0                           |
| Ammonium Hydroxide - 1336-21-6 | 1.0                           |

##### SARA 311/312 Hazard Categories

|                                   |    |
|-----------------------------------|----|
| Acute health hazard               | No |
| Chronic Health Hazard             | No |
| Fire hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

##### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Ammonium Hydroxide<br>1336-21-6 | 1000 lb                     | -                      | -                         | X                          |

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical Name                   | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|---------------------------------|--------------------------|----------------|---|
| Ammonium Hydroxide<br>1336-21-6 | 1000 lb                  | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical Name                     | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------|------------|---------------|--------------|
| DEG Methy Ether<br>111-77-3       | X          | X             | X            |
| Ammonium Hydroxide<br>1336-21-6   | X          | X             | X            |
| Sodium Metabisulfite<br>7681-57-4 | X          | X             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not Applicable

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

|                    |                  |                |                    |                                    |
|--------------------|------------------|----------------|--------------------|------------------------------------|
| <b><u>NFPA</u></b> | Health hazards 0 | Flammability 0 | Instability 0      | Physical and Chemical Properties - |
| <b><u>HMIS</u></b> | Health hazards 2 | Flammability 0 | Physical hazards 1 | Personal protection X              |

Prepared By                      Moira Blackflower  
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**Revision Note**

No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**