

powerag.com

**MaNage<sup>®</sup>HL**  
**POWERAG**

## SAFETY DATA SHEET

REVISED: March 2022

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Guaranteed by

PowerAG  
2213 Leabrook Road, Lancaster PA 17601  
1-800-842-2578 powerag.com

#### 1.2. Product name

MaNage HL

#### 1.4. Date of issue

10/1/21

### SECTION 2: HAZARDS IDENTIFICATION SUMMARY

#### 2.1. Hazard classification

Serious eye damage/eye irritant: Category 1  
Reproductive toxicity: Category 2  
Skin corrosion/irritation: Category 2

#### 2.2. Signal word

"DANGER"



#### 2.3. Hazard statements

H315–Causes skin irritation  
H318–Causes serious eye damage  
H335–May cause respiratory irritation  
H361–Suspected of damaging fertility or the unborn child

#### 2.4. Precautionary statements

##### (PREVENTION)

P210–Keep away from heat, sparks, open flames, and hot surfaces; No smoking  
P264–Wash thoroughly after handling  
P271–Use only outdoors in a well-ventilated area  
P280–Wear protective gloves, eye protection, and face protection

##### (RESPONSE)

P301+P312–If swallowed, call a POISON CENTER or doctor if you feel unwell  
P330–Rinse mouth  
P302+P352–IF ON SKIN wash with plenty of soap and water  
P305+P351+P338–IF IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing  
P337+P313–If eye irritation persists, get medical advice/attention  
P362+P364–Take off contaminated clothing

#### 2.4. Precautionary statements, storage

P403+P233–Store in well-ventilated place; Keep container tightly closed  
P501–Dispose of container in accordance with local regulations

### SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

#### Chemical ingredients:

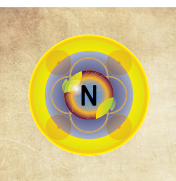
N-(n-butyl) thiophosphoric Triamide  
Dicyandiamide  
Dimethylsulfoxide  
Stabilizers and Fragrance

#### Percentage of weight:

30%  
15%  
50%  
Balance

#### Percentage of weight:

94317-64-3  
461-58-5  
67-68-5  
Multiple



## SECTION 4: FIRST AID MEASURES

- If in eyes:** Flush with clean running water for at least 15 minutes; If irritation persists, get medical attention
- If on skin:** Remove contaminated clothing. Wash thoroughly with soap and water; If irritation persists, or if a rash develops, get medical attention
- If swallowed:** If conscious, drink 1 or 2 glasses of water and get medical attention; Do not induce vomiting or give anything by mouth to an unconscious person
- If inhaled:** Remove to fresh air; If irritation persists, get medical attention

## SECTION 5: FIREFIGHTING MEASURES

- Flash Point (°F/test method):** 192 °F
- Flammable Limits (LFL & UFL):** Not established
- Extinguishing Media:** Considered non-combustible; Use foam, CO<sub>2</sub>, dry chemical, or water
- Hazardous Combustion Products:** Vapors are non-toxic and non-irritant
- Special Firefighting Procedures:** Heating to dryness may cause the release of carbon dioxide gas; Cool containers with water spray

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Steps to be taken if material is released or spilled:** Ventilate area; Stop leak, contain spill, and absorb with soil or natural absorbents; Liquid is corrosive; Ensure pumping equipment is 316 stainless steel; Sweep up waste and place in a container for disposal; Keep spills and rinsate out of municipal sewers and open bodies of water; Uncontaminated spilled material may be reused

## SECTION 7: HANDLING AND STORAGE

- Handling:** Keep away from sources of ignition; Avoid inhalation of mists, vapors/spray, and contact with eyes, skin, and clothing; Wear personal protective equipment; Do not use in areas without adequate ventilation; Avoid prolonged exposure; Wash thoroughly after handling; Do not empty into drains; Handle and open container with care; Wash before eating, drinking, or smoking
- Storage:** Store in the original labeled container in a cool place away from direct sunlight; Keep separate from food and feed products and out of reach of children and animals; Avoid storage at temperatures of 100 °F or higher; Corrosive to steel, aluminum, and brass; Use with stainless steel or PVC fittings

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Occupational Exposure Limits

- US Workplace Exposure Level TLVs: No data available
- US Workplace Exposure Level PELs: No data available
- Biological Limit Values: No listings

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- |   |  |
|---|--|
| <b>Appearance and Odor:</b> Dark orange-yellow liquid with cherry-like odor | <b>Flash Point:</b> 192 °F               |
| <b>Solubility:</b> Soluble  | <b>Bulk Density:</b> 9.7 lbs/gallon      |
| <b>pH:</b> 8–9  | <b>Boiling Point:</b> Not established    |
| <b>Specific Gravity (Water=1):</b> 1.16                                     | <b>Evaporation Date:</b> Not established |
| <b>Vapor Pressure:</b> Not established                                      |  |

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot as specification items.

## SECTION 10: STABILITY AND REACTIVITY

- Stability:** Stable for at least 2 years under normal conditions
- Incompatibility:** Metal nitrates (potentially explosive reaction), acids; Will corrode copper, zinc, aluminum, and their alloys
- Hazardous Decomposition Products:** Heating to dryness may cause the release of methanethiol, formaldehyde, dimethyl disulfide, sulfur dioxide, oxides of carbon, nitrogen, sulfur, and other compounds
- Hazardous Polymerization:** Will not occur



## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub> (rat):** Not established

**Acute Dermal LD<sub>50</sub> (rat):** Not established

**Eye Irritation (rabbit):** Not established

**Inhalation LC<sub>50</sub> (rat):** Not established

**Carcinogenic Potential:** None listed in OSHA, NTP, IARC, or ACGIH

**Skin Irritation (rabbit):** Not established

**Skin Sensitization (guinea pig):** Not established

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicology:** Product data not available

## SECTION 13: DISPOSAL CONSIDERATIONS

Do not reuse containers; Rinse container thoroughly, adding rinsate to the tank mix; Offer for recycling at an ACRC site or dispose of in a sanitary landfill; Avoid contaminating water by disposal of equipment wash waters or other product wastes

## SECTION 14: TRANSPORT INFORMATION

**DOT Shipping Description:** Not regulated as dangerous goods

## SECTION 15: REGULATORY INFORMATION

### NFPA & MHIM Hazard Ratings:

NFPA		HMIS
2 Health	0 Least	2 Health
0 Flammability	1 Slight	0 Flammability
0 Instability	2 Moderate	0 Reactivity
	3 High	H PPE
	4 Severe	

### SARA Hazard Notification/Reporting

**SARA Title III Hazard Category :** Immediate (Y), Fire (N), Sudden Release of Pressure (N), Delayed (N), Reactive (N)

**Reportable Quantity (RQ) under U.S., CERCLA:** Not listed

**SARA, Title III, Section 313:** Not listed

**RCRA Waste Code:** Not listed

## SECTION 16: OTHER

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