

## SAFETY DATA SHEET

### 1. Identification

#### Product Identifier

Trade name: PULVERIZE WEED & GRASS KILLER

EPA Reg. Number: 67702-7

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

#### Manufacturer/Supplier:

MESSINAS

55 Willow Street, Washington, NJ 07882

[CustomerService@Messinas.com](mailto:CustomerService@Messinas.com)

908-320-7009 for product information

Emergency Phone Number: 1-888-411-3337

### 2. Hazard Identification

Signal Word: Warning

#### Hazard Statements:

Hazard Category 4

May be harmful if swallowed

Hazard Category 2

Cause mild skin irritation

Hazard Category 2B

Causes eye irritation

Hazard Category 3

May cause respiratory irritation

#### Pictograms:



#### Precautionary Statements (Prevention):

P280

Wear protective gloves

#### Precautionary Statements (Response):

P303 + P352 If on skin (or hair): Wash with plenty of soap and water.  
 P333 +P311 If skin irritation or rash occurs: Call a Poison Center or doctor/physician.  
 P305 + P351 If on eye: Rinse cautiously with water for several minutes.

**Precautionary Statements (Storage):**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Precautionary Statements (Disposal):**

P501 Dispose of contents/container to hazardous to special waste collection point.

**3. Composition/information on ingredients**

**Chemical characterization: Mixture**

<b>Hazardous Components</b>		
<b><u>Components</u></b>	<b><u>% (w/w)</u></b>	<b><u>Hazard Information</u></b>
Ammoniated soap of fatty acids	3.68%	Eye irritant

**4. First-Aid Measure****Description of first aid measures**

**Inhalation:** Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

**Skin:** In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Take off contaminated clothing and was before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Do not induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.

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

No further relevant information available

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

No further relevant information available.

## **5. Fire-Fighting Measures**

### **Extinguishing media**

**Suitable Extinguishing Media:** Regular foam, carbon dioxide, dry chemical, water.

**Special hazards arising from the substance or mixture:** No further relevant information available.

### **Advice for firefighters**

**Protective equipment:** No special measures required.

## **6. Accidental Release Measures**

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

**Personal precautions:** Wear appropriate protective equipment. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions:** Avoid run off to waterways and sewers

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

**Containment/Clean-Up Measures:** Stop leak if can do it without risk. Absorb or cover with dry earth, sand or other absorbent materials and transfer to containers. .

## **7. Handling and Storage**

### **Precautions for safe handling**

**Handling:** No special precautions are necessary if used correctly.

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

**Storage:** Store in ambient temperature, well-ventilated place away from excessive heat. Keep container closed when not in use. Keep away from incompatible materials.

**Incompatible Materials:** None known

## **8. Exposure Controls/Personal Protection**

## Control Parameters

**Components with limited values that require monitoring at the workplace:** Not required.

## Exposure controls

### Personal Protective Equipment



#### Pictograms:

**Respiratory:** In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 26 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face:** Wear safety goggles

**Hands:** Wear protective gloves

**Skin/Body:** Where extensive dermal exposure may be expected, either a chemical suit or a chemical apron will be needed.

**General Industrial Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, or drinking. Safety shower and eye wash should be available close to work areas.

**Environmental Exposure Controls:** Follow best practice for site management and disposal of waste. Avoid release to the environment.

## 9. Physical and Chemical Properties

**Appearance:** Clear, colorless liquid

**Odor:** Odour of soap and ammonia

**pH:** 7.85 ± 0.10

**Boiling Point:** Not determined

**Melting Point:** Not determined

**Flash Point:** Non combustible

**Flammability:** Product is not flammable

**Decomposition Temperature:** Not determined

**Heat of Decomposition:** Not determined

**Danger of Explosion:** Product does not present an explosion hazard

**Upper explosion limits:** Not determined

**Lower explosion limits:** Not determined

**Vapor Pressure:** Not applicable

**Vapor Density:** Not applicable

**Evaporation Rate:** Not applicable

**Density @ 20°C (68°F):** 0.99 ± 0.03 g/mL

**Water Solubility:** Soluble

**Partition coefficient (n-octanol/water):** Not determined

**Viscosity:** 1.2 ± 0.4 cPs (Brookfield LVF)

## 10. Stability and Reactivity

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical Stability:** Stable under normal temperatures and pressures.

**Possibility of Hazardous Reactions:** No dangerous reactions known.

**Conditions to avoid:** Exposure to excessive heat.

**Incompatible Materials:** None known

**Hazardous Decomposition Products:** CO<sub>2</sub>, CO, NH<sub>3</sub>, NO<sub>x</sub>

## 11. Toxicological Information

### Information on toxicological effects

**Acute toxicity:** LD<sub>50</sub> (oral) (rat) >5000 mg/kg; LD<sub>50</sub> (dermal) >5000 mg/kg

### Routes of Entry

**Skin:** May cause slight irritation

**Eyes:** Can be expected to cause moderate to severe reversible injury

**Ingestion:** May cause irritation.

**Inhalation:** Can be expected to cause irritation if fine droplets are inhaled.

### Carcinogenic Categories

**IARC (International Agency for Research on Cancer):** Substance is not listed

**NTP (National Toxicology Program):** Substance is not listed

## 12. Ecological Information

**Toxicity:** No further relevant information available.

**Persistence and Degradability:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

**Other Adverse Effects:** No studies have been found

## 13. Disposal Considerations

## **Waste Treatment Methods**

**Product Waste:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

**Packaging Waste:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

## **14. Transport Information**

**DOT Classification:** Not regulated by US DOT Highway regulations.

**U.S. Surface Freight Classification:** NMFC item 155050, LTL Class: 70 Herbicide or NMFC item 50320 Sub 2, LTL Class 60

**UN Number:** Non-Hazardous. Not regulated.

**IMDG Class (sea):** Non-Hazardous. Not regulated.

**IATA Class (air):** Non-Hazardous. Not regulated.

**Marine Pollutant:** No.

**Packing Group:** Not regulated.

**Hazard Label(s):** Non-Hazardous. Not regulated.

**ADR Class (road):** Not regulated.

**Proper Shipping Name(s):** Not regulated.

**Reportable Quantity:** None

## **15. Regulatory Information**

### **Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture**

**SARA:** N/A

**Section 355 (Extremely Hazardous Substance):** Substance is not listed.

**Section 313 (Specific Toxic Chemical Listings):** Substance is not listed.

**TSCA (Toxic Substance Control Act):** Substance is not listed.

### **Proposition 65**

**Chemicals Known to Cause Cancer:** Substance is not listed.

**Chemicals Known to Cause Reproductive Toxicity for Females:** Substance is not listed.

**Chemicals Known to Cause Reproductive Toxicity for Males:** Substance is not listed.

**Chemicals Known to Cause Developmental Toxicity:** Substance is not listed.

**National Regulations:** Substance is not listed.

**State Right to Know:** Substance is not listed.

### **Labeling requirements under FIFRA**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

**CAUTION:** Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

### **Environmental Hazards**

This product is toxic to aquatic invertebrates. Do not apply directly to water. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

## **16. Other Information**

**Last Revision Date:** June 14, 2016

**Preparation Date:** November 17, 2015

**Disclaimer/Statement of Liability:** The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

**Key to Abbreviations:**

## SAFETY DATA SHEET

### 1. Identification

#### Product Identifier

Trade name: PULVERIZE WEED KILLER

EPA Reg. Number: 67702-27

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

#### Manufacturer/Supplier:

MESSINAS

55 Willow Street, Washington, NJ 07882

[CustomerService@Messinas.com](mailto:CustomerService@Messinas.com)

908-320-7009 for product information

Emergency Phone Number: 1-888-411-3337

### 2. Hazard Identification

Signal Word: Warning

#### Precautionary statements

#### Hazards to Humans and Domestic Animals

#### Hazard Statements:

Hazard Category 2	Causes mild skin irritation
Hazard Category 2B	Causes eye irritation
Hazard Category 3	May cause respiratory irritation

#### Pictograms:



#### Precautionary Statements (Prevention):

P281                      Wear protective gloves



**Precautionary Statements (Response):**

P303 + P352	If on skin (or hair): Wash with plenty of soap and water.
P333 +P311	If skin irritation or rash occurs: Call a Poison Center or doctor/physician.
P305 + P351	If on eye: Rinse cautiously with water for several minutes.

**Precautionary Statements (Storage):**

P403 + P235	Store in a well-ventilated place. Keep cool.
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**Precautionary Statements (Disposal):**

P501	Dispose of contents/container to hazardous to special waste collection point.
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**3. Composition/information on ingredients****Chemical characterization: Mixture**

<b>Hazardous Components</b>		
<u>Components</u>	<u>% (w/w)</u>	<u>Hazard Information</u>
Sodium Nitrate	1 - 2	Oxidant, Irritant

**4. First-Aid Measure****Description of first aid measures**

**Inhalation:** Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

**Skin:** In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Take off contaminated clothing and was before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Do not induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.

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

No further relevant information available

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

No further relevant information available.

## 5. Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media:** Regular foam, carbon dioxide, dry chemical, water.

**Special hazards arising from the substance or mixture:** No further relevant information available.

### Advice for firefighters

**Protective equipment:** No special measures required.

## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Wear appropriate protective equipment. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions:** Avoid run off to waterways and sewers

### Methods and material for containment and cleaning up

**Containment/Clean-Up Measures:** Stop leak if can do it without risk. Absorb or cover with dry earth, sand or other absorbent materials and transfer to containers. .

## 7. Handling and Storage

### Precautions for safe handling

**Handling:** No special precautions are necessary if used correctly.

### Conditions for safe storage, including any incompatibilities

**Storage:** Store in ambient temperature, well-ventilated place away from excessive heat. Keep container closed when not in use. Keep away from incompatible materials.

**Incompatible Materials:** Aluminum, Zinc, Steel.

## 8. Exposure Controls/Personal Protection

## Control Parameters

**Components with limited values that require monitoring at the workplace:** Not required.

## Exposure controls

### Personal Protective Equipment



#### Pictograms:

**Respiratory:** In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 26 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face:** Wear safety goggles

**Hands:** Wear protective gloves

**Skin/Body:** Where extensive dermal exposure may be expected, either a chemical suit or a chemical apron will be needed.

**General Industrial Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, or drinking. Safety shower and eye wash should be available close to work areas.

**Environmental Exposure Controls:** Follow best practice for site management and disposal of waste. Avoid release to the environment.

## 9. Physical and Chemical Properties

**Appearance:** Dark red liquid

**Odor:** Slight ammonia smell

**pH:** 6.00 ± 0.50

**Boiling Point:** Not determined

**Melting Point:** Not determined

**Flash Point:** Non combustible

**Flammability:** Product is not flammable

**Decomposition Temperature:** Not determined

**Heat of Decomposition:** Not determined

**Danger of Explosion:** Product does not present an explosion hazard

**Upper explosion limits:** Not determined

**Lower explosion limits:** Not determined

**Vapor Pressure:** Not applicable

**Vapor Density:** Not applicable

**Evaporation Rate:** Not applicable

**Density @ 20°C (68°F):** 1.02 ± 0.02 g/mL

**Water Solubility:** Soluble

**Partition coefficient (n-octanol/water):** Not determined

**Viscosity:** 2 ± 1 cPs (Brookfield LVF)

## 10. Stability and Reactivity

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical Stability:** Stable under normal temperatures and pressures.

**Possibility of Hazardous Reactions:** No dangerous reactions known.

**Conditions to avoid:** Exposure to excessive heat.

**Incompatible Materials:** Aluminum, Zinc, Steel

**Hazardous Decomposition Products:** NH<sub>3</sub>, NO<sub>x</sub>

## 11. Toxicological Information

### Information on toxicological effects

**Acute toxicity:** LD<sub>50</sub> (oral) (rat) >5000 mg/kg; LD<sub>50</sub> (dermal) >5000 mg/kg

### Routes of Entry

**Skin:** May cause skin sensitization

**Eyes:** Causes slight irritation (reversible)

**Ingestion:** None identified.

**Inhalation:** Slight irritant.

### Carcinogenic Categories

**IARC (International Agency for Research on Cancer):** Substance is not listed

**NTP (National Toxicology Program):** Substance is not listed

## 12. Ecological Information

**Toxicity:** No further relevant information available.

**Persistence and Degradability:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

**Other Adverse Effects:** No studies have been found

## 13. Disposal Considerations

## **Waste Treatment Methods**

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**UN Number:** Non-Hazardous. Not regulated.

**IMDG Class (sea):** Non-Hazardous. Not regulated.

**IATA Class (air):** Non-Hazardous. Not regulated.

**Marine Pollutant:** No.

**Packing Group:** Not regulated.

**Hazard Label(s):** Non-Hazardous. Not regulated.

**ADR Class (road):** Not regulated.

**Proper Shipping Name(s):** Not regulated.

**Reportable Quantity:** None

## **15. Regulatory Information**

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**SARA:** N/A

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### **Labeling requirements under FIFRA**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

**CAUTION:** Causes slight eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling before eating, drinking, chewing gum or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### **Environmental Hazards**

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

## **16. Other Information**

**Last Revision Date:** June 14, 2016

**Preparation Date:** August 29, 2014

**Disclaimer/Statement of Liability:** The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

**Key to Abbreviations:**