



# RotoRip

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Date of issue: 02/15/2017 Revision date: 02/16/2017 Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : RotoRip

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

No additional information available

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

Native Earth  
20504 4th Street Suite A  
Rupert, ID 83350 - USA  
T 208-254-4484 - F 208-254-4715  
[info@ntvearth.com](mailto:info@ntvearth.com) - [nativeearthinnovation.com](http://nativeearthinnovation.com)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Serious eye damage/eye irritation H320  
Category 2B

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labeling

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H320 - Causes eye irritation  
Precautionary statements (GHS-US) : P264 - Wash skin thoroughly after handling  
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

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name                    | Product identifier    | %       | Classification (GHS-US)                        |
|-------------------------|-----------------------|---------|--|
| Alkylphenol ethoxylate* | (CAS No) Trade Secret | 10 - 20 | Eye Irrit. 2B, H320<br>Aquatic Chronic 2, H411 |

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : 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.  
First-aid measures after ingestion : Get medical advice/attention if you feel unwell.

# RotoRip

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

|                                      |  |
|--------------------------------------|--|
| Symptoms/injuries                    | : Causes eye irritation.                 |
| Symptoms/injuries after inhalation   | : May cause respiratory irritation.      |
| Symptoms/injuries after skin contact | : May cause irritation to skin.          |
| Symptoms/injuries after eye contact  | : mild eye irritation.                   |
| Symptoms/injuries after ingestion    | : May cause gastrointestinal discomfort. |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection" .

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection"".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.  
Storage area : Keep container in a well-ventilated place. Store in a cool, dry place.  
Special rules on packaging : correctly labelled. meet the legal requirements.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Alkylphenol ethoxylate

Not applicable

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Hand protection : Protective gloves.

# RotoRip

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                 |   |
|---------------------------------|---|
| Eye protection                  | : Safety glasses.   |
| Skin and body protection        | : Wear suitable protective clothing.  |
| Respiratory protection          | : In case of insufficient ventilation, wear suitable respiratory equipment. |
| Environmental exposure controls | : Avoid release to the environment.   |

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                              | : Liquid   |
| Color                                       | : Mixture contains one or more component(s) which have the following colour(s):<br>Colourless brown  |
| Odor  | : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.<br>Mixture contains one or more component(s) which have the following odour(s):<br>Mild odour mild |
| Odor threshold                              | : No data available  |
| pH  | : 4.56   |
| Melting point                               | : Not applicable   |
| Freezing point                              | : No data available  |
| Boiling point                               | : No data available  |
| Flash point                                 | : No data available  |
| Relative evaporation rate (butyl acetate=1) | : No data available  |
| Flammability (solid, gas)                   | : No data available  |
| Explosion limits                            | : No data available  |
| Explosive properties                        | : No data available  |
| Oxidizing properties                        | : No data available  |
| Vapor pressure                              | : No data available  |
| Relative density                            | : No data available  |
| Relative vapor density at 20 °C             | : No data available  |
| Specific gravity / density                  | : 1.2 g/ml   |
| Solubility                                  | : No data available  |
| Log Pow                                     | : No data available  |
| Auto-ignition temperature                   | : No data available  |
| Decomposition temperature                   | : No data available  |
| Viscosity                                   | : No data available  |
| Viscosity, kinematic                        | : No data available  |
| Viscosity, dynamic                          | : No data available  |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

# RotoRip

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Alkylphenol ethoxylate    |                            |
|---------------------------|----------------------------|
| LD50 oral rat             | 960 - 3980 mg/kg           |
| LD50 dermal rabbit        | 2000 - 2991 mg/kg          |
| LC50 inhalation rat (ppm) | 1.15 ppm/4h                |
| ATE US (oral)             | 960.000 mg/kg body weight  |
| ATE US (dermal)           | 2000.000 mg/kg body weight |
| ATE US (gases)            | 1.150 ppmV/4h              |

Skin corrosion/irritation : Not classified  
pH: 4.56

Serious eye damage/irritation : Causes eye irritation.  
pH: 4.56

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

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause irritation to skin.

Symptoms/injuries after eye contact : mild eye irritation.

Symptoms/injuries after ingestion : May cause gastrointestinal discomfort.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| Alkylphenol ethoxylate         |  |
|--------------------------------|--|
| LC50 fish 1                    | 5 mg/l (96 h; Gasterosteus aculeatus; Intermittent flow) |
| EC50 Daphnia 1                 | >= 9 - 21 mg/l 48 h                                      |
| 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

| Alkylphenol ethoxylate        |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |

#### 12.3. Bioaccumulative potential

| Alkylphenol ethoxylate |              |
|------------------------|--------------|
| BCF fish 1             | 0 (5.9 - 48) |
| Log Pow                | > 4          |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

# RotoRip

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Sewage disposal recommendations : Prevent liquid from entering sewers, watercourses, underground or low areas.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

- In accordance with DOT  
Not regulated for transport

#### TDG

- No additional information available

#### Transport by sea

- No additional information available

#### Air transport

- No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Alkylphenol ethoxylate

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

|                          |   |
|--------------------------|---|
| EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)) |
|--------------------------|---|

#### 15.2. International regulations

##### CANADA

- No additional information available

##### EU-Regulations

- No additional information available

##### National regulations

- No additional information available

#### 15.3. US State regulations

- No additional information available

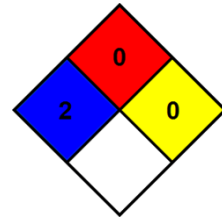
### SECTION 16: Other information

Revision date : 02/16/2017

Full text of H-phrases:

|      |   |
|------|---|
| H320 | Causes eye irritation                           |
| H411 | Toxic to aquatic life with long lasting effects |

- NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is 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.



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*