SECTION 1: Product and Company Identification

1.1. Product identifier
Product name : Ringo

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Dry cleaning fluids and detergents

1.3. Details of the supplier of the safety data sheet
ROYALTONE, Inc.
7211 N. Harrison Ave.
Shawnee, OK 74804 - USA
T 1-405-878-0537
Royaltone@royaltone.com

1.4. Emergency telephone number
Emergency number : 1-405-878-0577

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (GHS)
Eye Irrit. 2A H319
Full text of H-phrases: see section 16

2.2. Label elements
GHS labeling
Hazard pictograms (GHS) :
![GHS07]

Signal word (GHS) : Warning
Hazard statements (GHS) : H319 - Causes serious eye irritation
Precautionary statements (GHS) :
P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves
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
Other hazards not contributing to the classification : May cause slight irritation to the skin.

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS (Chemical Abstracts Service) number</th>
<th>%</th>
<th>Classification (GHS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-ionic surfactant*</td>
<td></td>
<td>20 - 30</td>
<td>Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td>Anionic surfactant*</td>
<td></td>
<td>10 - 15</td>
<td>Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>

*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 : 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.

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: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries after eye contact: Causes serious eye irritation.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture
Reactivity: Stable: Not reactive when mixed with water.

5.3 Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering 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.

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.
Hygiene measures: Wash hands thoroughly after handling.

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: Strong acids, strong bases and oxidation agents. Keep container closed when not in use.
Incompatible products: Sources of ignition. Direct sunlight.
Incompatible materials: Strong bases. Strong acids.
Storage temperature: 5 - 35 °C

7.3 Specific end use(s)
No additional information available
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Ringo</th>
<th>ACGIH</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Anionic surfactant</td>
<td>ACGIH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Non-ionic surfactant</td>
<td>ACGIH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

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

Appearance: Clear.

Color: Colorless to slightly yellow

Odor: Slight, Characteristic

Odor threshold: No data available

pH: 7.5

Relative evaporation rate (butyl acetate=1): < 1

Melting point: No data available

Freezing point: No data available

Boiling point: 100 °C

Flash point: > 94 °C

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): No data available

Vapor pressure: 23.8 mm Hg @ 25°C

Relative vapor density at 20 °C: No data available

Relative density: 1.04

Specific gravity / density: 1.04 g/ml @ 25°C

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: Not expected to be a fire/explosion hazard under normal conditions of use.

Oxidizing properties: No data available

Explosive limits: No data available

9.2. Other information

No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
Stable: Not reactive when mixed with water.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None under normal use.

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Non-ionic surfactant</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>1800 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 3000 mg/kg (Rabbit)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>1800.000 mg/kg body weight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
pH: ≈ 7.5

Serious eye damage/irritation: Causes serious eye irritation.
pH: ≈ 7.5

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

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Non-ionic surfactant</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 10 mg/l (96 h; Lepomis macrochirus; Toxicity test)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>26 mg/l (48 h; Daphnia magna)</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>10 mg/l (336 h; Lemna sp.; Biomass)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>8.9 mg/l (96 h; Pimephales promelas)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>500 mg/l (504 h; Selenastrum capricornutum; Cell numbers)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Ringo</th>
<th>Persistence and degradability</th>
<th>Not established.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-ionic surfactant</td>
<td>Persistence and degradability</td>
<td>Biodegradable in water.</td>
</tr>
<tr>
<td>ThOD</td>
<td>2.16 g Ov/g substance</td>
<td></td>
</tr>
</tbody>
</table>
12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Ringo</th>
<th>Not established.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-ionic surfactant</td>
<td></td>
</tr>
<tr>
<td><strong>Log Pow</strong></td>
<td>4.86 (Estimated value)</td>
</tr>
</tbody>
</table>

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.
- Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with US Dept. of Transportation (DOT)
Not regulated for transport

Additional information

Other information : No supplementary information available.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
</tbody>
</table>

HMIS III Rating

- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 0 Minimal Hazard
- Physical : 0 Minimal Hazard
- Personal protection : B

Royaltone 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