1. Identification of the preparation and company

1.1. Product identifier
Product Identity: AQUA-ONE RED
Bulk Sales Reference No.: YBE149

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended Use: See Technical Data Sheet.
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name: Akzo Nobel Coatings
International Paint LLC
6001 Antoine Drive
Houston, TX 77095

Emergency
CHEMTREC (USA) (800) 424-9300
International Paint (713) 527-3887
Poison Control Center (800) 854-681
Customer Service (800) 589-1267
Fax No. (800) 631-7481

2. Hazard identification of the product

2.1. Classification of the substance or mixture
Acute Tox. 4:H302 Harmful if swallowed.
Aquatic Chronic 1:H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements
Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

Danger.

H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P391 Collect spillage.
P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating

Health: 2  Flammability: 0  Reactivity: 0

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper oxide (Cu2O) CAS Number: 0001317-39-1</td>
<td>25 - 50</td>
<td>Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td>
<td>[1]</td>
</tr>
<tr>
<td>Zinc oxide CAS Number: 0001314-13-2</td>
<td>10 - 25</td>
<td>Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td>
<td>[1][2]</td>
</tr>
<tr>
<td>Barium sulfate CAS Number: 0007727-43-7</td>
<td>10 - 25</td>
<td>----</td>
<td>[1][2]</td>
</tr>
<tr>
<td>Iron oxide CAS Number: 0001309-37-1</td>
<td>1.0 - 10</td>
<td>----</td>
<td>[1][2]</td>
</tr>
<tr>
<td>1,2-Propylene glycol CAS Number: 0000057-55-6</td>
<td>1.0 - 10</td>
<td>----</td>
<td>[1]</td>
</tr>
</tbody>
</table>

[1] Substance classified with a health or environmental hazard.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General
Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.

Inhalation
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Eyes
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin
In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.

Ingestion
If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

Overview
NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.

Inhalation
Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.

Eyes
Causes severe eye irritation. Avoid contact with eyes.

Skin
Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion
Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.

Chronic effects
Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

5. Fire-fighting measures

5.1. Extinguishing media
CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. SMALL FIRES: Use dry chemical, CO2, water spray or alcohol-resistant foam. LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

5.2. Special hazards arising from the substance or mixture
May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

5.3. Advice for fire-fighters
Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

6.2. Environmental precautions
Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up
CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

7. Handling and storage

7.1. Precautions for safe handling
Handling
Vapors may cause flash fire or ignite explosively.

In Storage
Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities
Store between 40-100F (4-38C).
Do not get in eyes, on skin or clothing.
Strong oxidizing agents.
Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)
Close container after each use.
Wash thoroughly after handling.
Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000057-55-6</td>
<td>1,2-Propylene glycol</td>
<td>OSHA</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td></td>
</tr>
</tbody>
</table>
### Health Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000057-55-6</td>
<td>1,2-Propylene glycol</td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td>0001309-37-1</td>
<td>Iron oxide</td>
<td>NIOSH</td>
<td>Benign pneumoconiosis termed siderosis</td>
</tr>
<tr>
<td>0001314-13-2</td>
<td>Zinc oxide</td>
<td>NIOSH</td>
<td>Metal fume fever</td>
</tr>
<tr>
<td>0001317-39-1</td>
<td>Copper oxide (Cu2O)</td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td>0007727-43-7</td>
<td>Barium sulfate</td>
<td>NIOSH</td>
<td>Eye nose</td>
</tr>
</tbody>
</table>

### Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000057-55-6</td>
<td>1,2-Propylene glycol</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td>CAS Number</td>
<td>Chemical Name</td>
<td>OSHA Select Carcinogen</td>
<td>NTP</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>-----</td>
</tr>
<tr>
<td>0001309-37-1</td>
<td>Iron oxide</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>0001314-13-2</td>
<td>Zinc oxide</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>0001317-39-1</td>
<td>Copper oxide (Cu2O)</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>0007727-43-7</td>
<td>Barium sulfate</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Respiratory**
Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer’s directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer’s respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.

**Eyes**
Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

**Skin**
Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

**Engineering Controls**
Depending on the site-specific conditions of use, provide adequate ventilation.

**Other Work Practices**
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Coloured Liquid</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not Measured</td>
</tr>
<tr>
<td>pH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>100 (°C) 212 (°F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No Established Limit (°C) No Established Limit(°F)</td>
</tr>
<tr>
<td>Evaporation rate (Ether = 1)</td>
<td>Not Measured</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Lower Explosive Limit: .62</td>
</tr>
<tr>
<td>vapor pressure (Pa)</td>
<td>Not Measured</td>
</tr>
</tbody>
</table>
Vapor Density: Heavier than air
Specific Gravity: 2.34
Solubility in Water: Not Measured
Partition coefficient n-octanol/water (Log Kow): Not Measured
Auto-ignition temperature: Not Measured
Decomposition temperature: Not Measured
Viscosity (cSt): No Established Limit Not Measured
VOC %: Refer to the Technical Data Sheet or label where information is available.

10. Stability and Reactivity

10.1. Reactivity
No data available

10.2. Chemical Stability
This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of Hazardous Reactions
No data available

10.4. Conditions to Avoid
No data available

10.5. Incompatible Materials
Strong oxidizing agents.

10.6. Hazardous Decomposition Products
May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

11. Toxicological Information

Acute Toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper oxide (Cu2O) - (1317-39-1)</td>
<td>470.00, Rat - Category: 4</td>
<td>2,000.00, Rabbit - Category: 4</td>
<td>No data available</td>
<td>50.00, Rat - Category: NA</td>
</tr>
<tr>
<td>Zinc oxide - (1314-13-2)</td>
<td>5,000.00, Rat - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>2.50, Mouse - Category: 4</td>
</tr>
<tr>
<td>Barium sulfate - (7727-43-7)</td>
<td>3,000.00, Mouse - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Iron oxide - (1309-37-1)</td>
<td>10,000.00, Rat - Category: NA</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>1,2-Propylene glycol - (57-55-6)</td>
<td>20,000.00, Rat - Category: NA</td>
<td>20,800.00, Rabbit - Category: NA</td>
<td>105.00, Rat - Category: NA</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Category</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity (mouth)</td>
<td>4</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>Acute Toxicity (skin)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute Toxicity (inhalation)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Eye damage/irrititation</td>
<td>Not Classified</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
12. Ecological information

12.1. Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper oxide (Cu2O) - (1317-39-1)</td>
<td>0.075, Danio rerio</td>
<td>0.042, Daphnia similis</td>
<td>0.03 (96 hr), Pseudokirchneriella subcapitata</td>
</tr>
<tr>
<td>Zinc oxide - (1314-13-2)</td>
<td>1.10, Oncorhynchus mykiss</td>
<td>0.098, Daphnia magna</td>
<td>0.042 (72 hr), Pseudokirchneriella subcapitata</td>
</tr>
<tr>
<td>Barium sulfate - (7727-43-7)</td>
<td>59,000.00, Poecilia sphenops</td>
<td>32.00, Daphnia magna</td>
<td>Not Available</td>
</tr>
<tr>
<td>Iron oxide - (1309-37-1)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>1,2-Propylene glycol - (57-55-6)</td>
<td>710.00, Pimephales promelas</td>
<td>10,000.00, Daphnia magna</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No data available
12.3. Bioaccumulative potential
Not Measured
12.4. Mobility in soil
No data available
12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.
12.6. Other adverse effects
No data available

13. Disposal considerations

13.1. Waste treatment methods
Do not allow spills to enter drains or watercourses.
Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

14.1. UN number              Not Regulated
14.2. UN proper shipping name
14.3. Transport hazard class(es)
<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Proper Shipping Name</td>
<td>IMDG Proper Shipping Name</td>
</tr>
<tr>
<td>DOT Hazard Class</td>
<td>IMDG Hazard Class</td>
</tr>
<tr>
<td>UN / NA Number</td>
<td>IMDG Packing Group</td>
</tr>
<tr>
<td>DOT Packing Group</td>
<td>System Reference Code</td>
</tr>
<tr>
<td>CERCLA/DOT RQ</td>
<td></td>
</tr>
</tbody>
</table>

| Not Regulated                        | Not Regulated                     |
|                                      | Not applicable                     |

14.4. Packing group Not Regulated
14.5. Environmental hazards
IMDG Marine Pollutant: Yes (Copper oxide (Cu2O))
14.6. Special precautions for user
Not Applicable
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not Applicable

**15. Regulatory information**

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification Not Regulated

DOT Marine Pollutants (10%): 
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%): 
(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>1%): 
Copper (5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diame)

EPCRA 302 Extremely Hazardous (>1%): 
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>1%): 
Copper

Mass RTK Substances (>1%): 
Barium sulfate
Iron oxide
Zinc oxide

Penn RTK Substances (>1%): 
Barium sulfate
Iron oxide
1,2-Propylene glycol
Zinc oxide

Penn Special Hazardous Substances (>0.1%): 
(No Product Ingredients Listed)

RCRA Status: 
(No Product Ingredients Listed)

N.J. RTK Substances (>1%): 
Barium sulfate
Iron oxide
1,2-Propylene glycol
Zinc oxide

N.J. Special Hazardous Substances (>0.1%): 
Quartz

N.J. Env. Hazardous Substances (>1%):
Copper

Proposition 65 - Carcinogens (>0%):
  Cadmium
  Lead
  Quartz

Proposition 65 - Female Repro Toxins (>0%):
  Lead

Proposition 65 - Male Repro Toxins (>0%):
  Cadmium
  Lead

Proposition 65 - Developmental Toxins (>0%):
  Cadmium
  Lead

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This is the first revision of this SDS format, changes from previous revision not applicable.

End of Document