# XWP0700 Aquis Raw Umber

Safety Data Sheet

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

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture

Product name : XWP0700 Aquis Raw Umber

CAS No : Proprietary

Product code : XWP0700

### 1.2. Relevant identified uses of the substance or mixture

Use of the substance/mixture : Pigment: Raw Umber (CAS Nos.: 12713-03-0, 1309-37-1, 1333-86-4)

Use of the substance/mixture : Dispersion

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

Heucotech Ltd.
99 Newbold Road
Fairless Hills, PA 19030 - USA
T (215) 736-0712 - F (215) 736-2249
lousoffer@heubachcolor.com

### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1(800) 424-9300

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (GHS-US)**

Carc. 1A H350

Full text of H-phrases: see section 16

### 2.2. Label elements

**GHS-US labeling**

Hazard pictograms (GHS-US) :

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H350 - May cause cancer

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents/container to ...

### 2.3. Other hazards

No additional information available

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

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

Full text of H-phrases: see section 16

### 3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|---|---|---|---|
| Raw umber | (CAS No) 12713-03-0 | 28.236 - 41.268 | Not classified |
| Iron oxide (Fe2O3) | (CAS No) 1309-37-1 | < 8.688 | Not classified |
| Quartz | (CAS No) 14808-60-7 | 2.172 - 4.344 | Acute Tox. 4 (Oral), H302<br>Carc. 1A, H350 |
| Carbon black | (CAS No) 1333-86-4 | 0.0004344 - 4.344 | Carc. 2, H351 |
| Iron oxide yellow | (CAS No) 51274-00-1 | < 4.344 | Not classified |

| Name | Product identifier | % | Classification (GHS-US) |
|---|---|---|---|
| 2-Butoxyethanol | (CAS No) 111-76-2 | < 1 | Flam. Liq. 4, H227<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 2 (Dermal), H310 |
| Ammonium hydroxide | (CAS No) 1336-21-6 | < 1 | Acute Tox. 4 (Oral), H302 |
| 2-Bromo-2-nitro-1,3-propanediol | (CAS No) 52-51-7 | 0.015 - 0.02 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 4 (Dermal), H312 |
| 3(2H)-Isothiazolone, 5-chloro-2-methyl- | (CAS No) 26172-55-4 | < 0.00375 | Acute Tox. 4 (Oral), H302 |

## 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 immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

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 inhalation : May cause cancer by inhalation.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

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

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

No additional information available

### 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 eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

### 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 : Keep container closed when not in use. Keep container closed when not in use.;Keep only in the original container in a cool, well ventilated area.

| | | |
|---|---|---|
| Incompatible products | : | Strong bases. Strong acids. |
| Incompatible materials | : | Sources of ignition. Direct sunlight. |
| Maximum storage period | : | 12 months Best if used by |
| Storage temperature | : | 40 - 120 °F |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Quartz (14808-60-7) | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (mg/m³) | 0.025 mg/m³ (respirable fraction) |
| USA NIOSH | NIOSH REL (TWA) (mg/m³) | 0.05 mg/m³ (respirable dust) |
| USA IDLH | US IDLH (mg/m³) | 50 mg/m³ (respirable dust) |

| Iron oxide (Fe2O3) (1309-37-1) | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (mg/m³) | 5 mg/m³ (respirable fraction) |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 10 mg/m³ (fume)<br>15 mg/m³ (total dust)<br>5 mg/m³ (respirable fraction) |
| USA NIOSH | NIOSH REL (TWA) (mg/m³) | 5 mg/m³ (dust and fume) |
| USA IDLH | US IDLH (mg/m³) | 2500 mg/m³ (dust and fume) |

| Carbon black (1333-86-4) | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (mg/m³) | 3 mg/m³ (inhalable fraction) |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 3.5 mg/m³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m³) | 3.5 mg/m³<br>0.1 mg/m³ (Carbon black in presence of Polycyclic aromatic hydrocarbons) |
| USA IDLH | US IDLH (mg/m³) | 1750 mg/m³ |

| 2-Butoxyethanol (111-76-2) | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (ppm) | 20 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 240 mg/m³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 50 ppm |
| USA NIOSH | NIOSH REL (TWA) (mg/m³) | 24 mg/m³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 5 ppm |
| USA IDLH | US IDLH (ppm) | 700 ppm |

| Iron oxide yellow (51274-00-1) | | |
|---|---|---|
| USA ACGIH | ACGIH TWA (mg/m³) | 5 mg/m³ |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 10 mg/m³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m³) | 5 mg/m³ as fume |

### 8.2. Exposure controls

| | | |
|---|---|---|
| Personal protective equipment | : | Avoid all unnecessary exposure. |
| Hand protection | : | Wear protective gloves. |
| Eye protection | : | Chemical goggles or safety glasses. |
| Respiratory protection | : | Wear approved mask. |
| Other information | : | When using, do not eat, drink or smoke. |

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Brown liquid. |
| Color | : | brown. |
| Odor | : | Ammonia-like. |
| Odor threshold | : | No data available |

| | | |
|---|---|---|
| pH | : | 8.5 - 9.5 |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Vapor pressure | : | No data available |
| Relative vapor density at 20 °C | : | No data available |
| Relative density | : | No data available |
| Specific gravity / density | : | 1.46 g/ml |
| Solubility | : | Water dispersible. |
| Log Pow | : | No data available |
| Log Kow | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | No data available |
| Oxidizing properties | : | No data available |
| Explosion limits | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established. Stable at recommended storage temperature.

### 10.3. Possibility of hazardous reactions

Not established.

### 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

iron oxides. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| **Ammonium hydroxide (1336-21-6)** | |
|---|---|
| LD50 oral rat | 350 mg/kg |
| ATE CLP (oral) | 350.000 mg/kg body weight |

| **2-Bromo-2-nitro-1,3-propanediol (52-51-7)** | |
|---|---|
| LD50 oral rat | 180 mg/kg |
| LD50 dermal rat | 1600 mg/kg |
| LC50 inhalation rat (mg/l) | > 5 g/m³ (Exposure time: 6 h) |
| ATE CLP (oral) | 180.000 mg/kg body weight |
| ATE CLP (dermal) | 1600.000 mg/kg body weight |

| **3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)** | |
|---|---|
| LD50 oral rat | 481 mg/kg |
| LC50 inhalation rat (mg/l) | 1.23 mg/l/4h |
| ATE CLP (oral) | 481.000 mg/kg body weight |
| ATE CLP (vapors) | 1.230 mg/l/4h |
| ATE CLP (dust, mist) | 1.230 mg/l/4h |

| Quartz (14808-60-7) | |
|---|---|
| LD50 oral rat | 500 mg/kg |

| Iron oxide (Fe2O3) (1309-37-1) | |
|---|---|
| LD50 oral rat | > 10000 mg/kg |

| Carbon black (1333-86-4) | |
|---|---|
| LD50 oral rat | > 15400 mg/kg |

| 2-Butoxyethanol (111-76-2) | |
|---|---|
| LD50 oral rat | 470 mg/kg |
| LD50 dermal rabbit | 99 mg/kg |
| LC50 inhalation rat (ppm) | 450 ppm/4h |

Skin corrosion/irritation : Not classified
pH: 8.5 - 9.5

Serious eye damage/irritation : Not classified
pH: 8.5 - 9.5

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : May cause cancer.

| Quartz (14808-60-7) | |
|---|---|
| IARC group | 1 |
| National Toxicology Program (NTP) Status | 2 |

| Iron oxide (Fe2O3) (1309-37-1) | |
|---|---|
| IARC group | 3 |

| Carbon black (1333-86-4) | |
|---|---|
| IARC group | 2B |

| 2-Butoxyethanol (111-76-2) | |
|---|---|
| IARC group | 3 |

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause cancer by inhalation.

## SECTION 12: Ecological information

### 12.1. Toxicity

| Ammonium hydroxide (1336-21-6) | |
|---|---|
| LC50 fish 1 | 8.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas) |
| EC50 Daphnia 1 | 0.66 mg/l (Exposure time: 48 h - Species: water flea) |
| EC50 Daphnia 2 | 0.66 mg/l (Exposure time: 48 h - Species: Daphnia pulex) |

| 3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4) | |
|---|---|
| LC50 fish 1 | 1.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static]) |
| EC50 Daphnia 1 | 4.71 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 Daphnia 2 | 0.12 - 0.3 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through]) |

| 2-Butoxyethanol (111-76-2) | |
|---|---|
| LC50 fish 1 | 1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 1 | > 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 fish 2 | 2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |

### 12.2. Persistence and degradability

| XWP0700 Aquis Raw Umber (Proprietary) | |
|---|---|
| Persistence and degradability | Not established. |

| Ammonium hydroxide (1336-21-6) | |
|---|---|
| Persistence and degradability | Not established. |

| 2-Bromo-2-nitro-1,3-propanediol (52-51-7) | |
|---|---|
| Persistence and degradability | Not established. |

| 3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4) | |
|---|---|
| Persistence and degradability | Not established. |

| Quartz (14808-60-7) | |
|---|---|
| Persistence and degradability | Not established. |

| Iron oxide (Fe2O3) (1309-37-1) | |
|---|---|
| Persistence and degradability | Not established. |

| Carbon black (1333-86-4) | |
|---|---|
| Persistence and degradability | Not established. |

| Iron oxide yellow (51274-00-1) | |
|---|---|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| XWP0700 Aquis Raw Umber (Proprietary) | |
|---|---|
| Bioaccumulative potential | Not established. |

| Ammonium hydroxide (1336-21-6) | |
|---|---|
| Bioaccumulative potential | Not established. |

| 2-Bromo-2-nitro-1,3-propanediol (52-51-7) | |
|---|---|
| Bioaccumulative potential | Not established. |

| 3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4) | |
|---|---|
| Log Pow | -0.71 - 0.75 (at 20 °C) |
| Bioaccumulative potential | Not established. |

| Quartz (14808-60-7) | |
|---|---|
| Bioaccumulative potential | Not established. |

| Iron oxide (Fe2O3) (1309-37-1) | |
|---|---|
| Bioaccumulative potential | Not established. |

| Carbon black (1333-86-4) | |
|---|---|
| Bioaccumulative potential | Not established. |

| 2-Butoxyethanol (111-76-2) | |
|---|---|
| Log Pow | 0.81 (at 25 °C) |

| Iron oxide yellow (51274-00-1) | |
|---|---|
| Bioaccumulative potential | Not established. |

### 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 of in a safe manner in accordance with local, state, and national regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

US Department of Transportation (DOT) Hazard Classes : Not regulated.

### 14.3. Additional information

Other information : No supplementary information available.

**Overland transport**

Class (ADR) : Not regulated

**Transport by sea**

Class (IMDG) : Not regulated.

### Air transport

Class (IATA) : Not regulated.

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| **Ammonium hydroxide (1336-21-6)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| SARA Section 313 - Emission Reporting | Listed on 313 for reporting when release is equal to or greater than 1000 Lbs. |

| **2-Bromo-2-nitro-1,3-propanediol (52-51-7)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| EPA TSCA Regulatory Flag | S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule. |

| **Quartz (14808-60-7)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **Iron oxide (Fe2O3) (1309-37-1)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **Carbon black (1333-86-4)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **2-Butoxyethanol (111-76-2)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **Iron oxide yellow (51274-00-1)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **Raw umber (12713-03-0)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

### 15.2. International regulations

#### CANADA

| **Ammonium hydroxide (1336-21-6)** | |
|---|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| WHMIS Classification | Class E - Corrosive Material |

| **2-Bromo-2-nitro-1,3-propanediol (52-51-7)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **Quartz (14808-60-7)** | |
|---|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |

| **Iron oxide (Fe2O3) (1309-37-1)** | |
|---|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

| **Carbon black (1333-86-4)** | |
|---|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |

| **2-Butoxyethanol (111-76-2)** | |
|---|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| WHMIS Classification | Class B Division 3 - Combustible Liquid<br>Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |

| **Iron oxide yellow (51274-00-1)** | |
|---|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

| **Raw umber (12713-03-0)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

### EU-Regulations

| **Ammonium hydroxide (1336-21-6)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances. |

| **2-Bromo-2-nitro-1,3-propanediol (52-51-7)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances. |

| **3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances. |

| **Quartz (14808-60-7)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances. |

| **Iron oxide (Fe2O3) (1309-37-1)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances. |

| **Carbon black (1333-86-4)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.<br>Listed on European List of Notified Chemical Substances (ELINCS) |

| **2-Butoxyethanol (111-76-2)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances. |

| **Iron oxide yellow (51274-00-1)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances. |

| **Raw umber (12713-03-0)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances. |

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### 15.2.2. National regulations

| **XWP0700 Aquis Raw Umber (Proprietary)** |
|---|
| Components listed on the Canadian DSL (Domestic Substances List) inventory.<br>Components listed on the United States TSCA (Toxic Substances Control Act) inventory. |

| **Ammonium hydroxide (1336-21-6)** |
|---|
| Listed on the AICS (the Australian Inventory of Chemical Substances)<br>Listed on Inventory of Existing Chemical Substances (IECSC)<br>Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.<br>Listed on the Korean ECL (Existing Chemical List) inventory.<br>Listed on New Zealand - Inventory of Chemicals (NZIoC)<br>Listed on Inventory of Chemicals and Chemical Substances (PICCS)<br>Poisonous and Deleterious Substances Control Law<br>Listed on the Canadian Ingredient Disclosure List<br>Listed on INSQ (Mexican national Inventory of Chemical Substances)<br>Listed on Turkish inventory of chemical |

| **2-Bromo-2-nitro-1,3-propanediol (52-51-7)** |
|---|
| Listed on the AICS (the Australian Inventory of Chemical Substances)<br>Listed on Inventory of Existing Chemical Substances (IECSC)<br>Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.<br>Listed on Industrial Safety and Health Law Substances (ISHL)<br>Listed on the Korean ECL (Existing Chemical List) inventory.<br>Listed on New Zealand - Inventory of Chemicals (NZIoC)<br>Listed on Inventory of Chemicals and Chemical Substances (PICCS)<br>Listed on INSQ (Mexican national Inventory of Chemical Substances)<br>Listed on Turkish inventory of chemical |

| **3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)** |
|---|
| Listed on the AICS (the Australian Inventory of Chemical Substances)<br>Listed on Inventory of Existing Chemical Substances (IECSC)<br>Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.<br>Listed on the Korean ECL (Existing Chemical List) inventory.<br>Listed on New Zealand - Inventory of Chemicals (NZIoC)<br>Listed on Inventory of Chemicals and Chemical Substances (PICCS)<br>Listed on INSQ (Mexican national Inventory of Chemical Substances)<br>Listed on Turkish inventory of chemical |

**Quartz (14808-60-7)**

Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on the Canadian Ingredient Disclosure List
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

**Iron oxide (Fe2O3) (1309-37-1)**

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

**Carbon black (1333-86-4)**

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

**2-Butoxyethanol (111-76-2)**

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

**Iron oxide yellow (51274-00-1)**

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on Turkish inventory of chemical

**Raw umber (12713-03-0)**

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

### 15.3. US State regulations

| **XWP0700 Aquis Raw Umber(Proprietary)** | |
|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | No |
| U.S. - California - Proposition 65 - Developmental Toxicity | No |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No |

| Ammonium hydroxide (1336-21-6) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| No | No | No | No | |

| 2-Bromo-2-nitro-1,3-propanediol (52-51-7) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| No | No | No | No | |

| 3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| No | No | No | No | |

| Quartz (14808-60-7) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes | No | No | No | |

| Iron oxide (Fe2O3) (1309-37-1) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| No | No | No | No | |

| Carbon black (1333-86-4) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes | No | No | No | |

| 2-Butoxyethanol (111-76-2) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| No | No | No | No | |

| Iron oxide yellow (51274-00-1) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| No | No | No | No | |

| Raw umber (12713-03-0) | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| No | No | No | No | |

| Ammonium hydroxide (1336-21-6) |
|---|
| U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities |
| U.S. - Louisiana - Reportable Quantity List for Pollutants |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1 |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2 |
| U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1 |

**Ammonium hydroxide (1336-21-6)**

U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Right To Know List
U.S. - Massachusetts - Toxics Use Reduction Act
U.S. - Michigan - Polluting Materials List
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - New Jersey - TCPA - Extraordinarily Hazardous Substances (EHS)
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

**2-Bromo-2-nitro-1,3-propanediol (52-51-7)**

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

**3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)**

U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

**Quartz (14808-60-7)**

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Idaho - Occupational Exposure Limits - Mineral Dusts
U.S. - Illinois - Toxic Air Contaminant Carcinogens
U.S. - Illinois - Toxic Air Contaminants
U.S. - Maine - Chemicals of High Concern
U.S. - Massachusetts - Right To Know List
U.S. - Michigan - Occupational Exposure Limits - TWAs
U.S. - Minnesota - Chemicals of High Concern
U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - TWAs
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - New York - Occupational Exposure Limits - Mineral Dusts
U.S. - New York - Occupational Exposure Limits - TWAs
U.S. - Oregon - Permissible Exposure Limits - Mineral Dusts
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Tennessee - Occupational Exposure Limits - TWAs
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Vermont - Permissible Exposure Limits - TWAs
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Washington - Permissible Exposure Limits - TWAs

**Iron oxide (Fe2O3) (1309-37-1)**

U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Idaho - Occupational Exposure Limits - TWAs
U.S. - Massachusetts - Right To Know List
U.S. - Michigan - Occupational Exposure Limits - TWAs
U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - TWAs
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New York - Occupational Exposure Limits - TWAs
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour
U.S. - Oregon - Permissible Exposure Limits - TWAs
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Tennessee - Occupational Exposure Limits - TWAs
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Vermont - Permissible Exposure Limits - TWAs
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Washington - Permissible Exposure Limits - TWAs
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet

**Iron oxide (Fe2O3) (1309-37-1)**

U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet

**Carbon black (1333-86-4)**

U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Idaho - Occupational Exposure Limits - TWAs
U.S. - Illinois - Toxic Air Contaminant Carcinogens
U.S. - Illinois - Toxic Air Contaminants
U.S. - Maine - Chemicals of High Concern
U.S. - Massachusetts - Right To Know List
U.S. - Michigan - Occupational Exposure Limits - TWAs
U.S. - Minnesota - Chemicals of High Concern
U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - TWAs
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - New York - Occupational Exposure Limits - TWAs
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour
U.S. - Oregon - Permissible Exposure Limits - TWAs
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Tennessee - Occupational Exposure Limits - TWAs
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Vermont - Permissible Exposure Limits - TWAs
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Washington - Permissible Exposure Limits - TWAs
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet

**2-Butoxyethanol (111-76-2)**

U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute
U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)
U.S. - Colorado - Groundwater Quality Standards
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Idaho - Occupational Exposure Limits - TWAs
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Right To Know List
U.S. - Michigan - Occupational Exposure Limits - Skin Designations
U.S. - Michigan - Occupational Exposure Limits - TWAs
U.S. - Minnesota - Chemicals of High Concern
U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - Skin Designations
U.S. - Minnesota - Permissible Exposure Limits - TWAs
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - New York - Occupational Exposure Limits - Skin Designations
U.S. - New York - Occupational Exposure Limits - TWAs
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour
U.S. - Oregon - Permissible Exposure Limits - Skin Designations
U.S. - Oregon - Permissible Exposure Limits - TWAs
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - Annual
U.S. - Tennessee - Occupational Exposure Limits - Skin Designations
U.S. - Tennessee - Occupational Exposure Limits - TWAs
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Vermont - Permissible Exposure Limits - Skin Designations

| 2-Butoxyethanol (111-76-2) |
|---|
| U.S. - Vermont - Permissible Exposure Limits - TWAs |
| U.S. - Washington - Permissible Exposure Limits - Skin Designations |
| U.S. - Washington - Permissible Exposure Limits - STELs |
| U.S. - Washington - Permissible Exposure Limits - TWAs |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet |

| Iron oxide yellow (51274-00-1) |
|---|
| U.S. - Texas - Effects Screening Levels - Long Term |
| U.S. - Texas - Effects Screening Levels - Short Term |

| Raw umber (12713-03-0) |
|---|
| U.S. - Texas - Effects Screening Levels - Long Term |
| U.S. - Texas - Effects Screening Levels - Short Term |

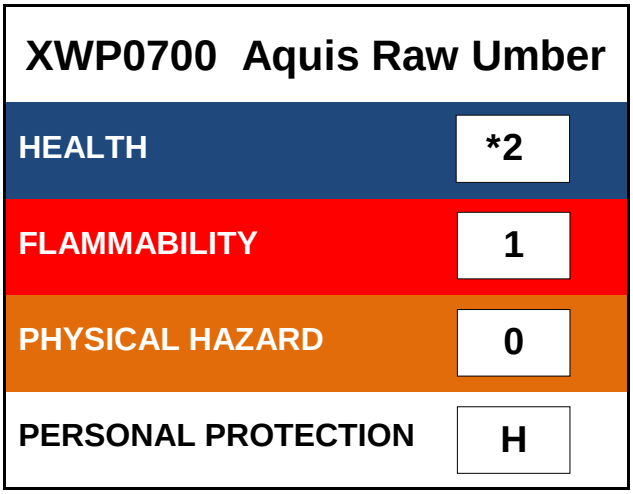
## SECTION 16: Other information

Other information : None.

Full text of H-phrases:

| | |
|---|---|
| Acute Tox. 2 (Dermal) | Acute toxicity (dermal) Category 2 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Carc. 1A | Carcinogenicity Category 1A |
| Carc. 2 | Carcinogenicity Category 2 |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| H227 | Combustible liquid |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H310 | Fatal in contact with skin |
| H312 | Harmful in contact with skin |
| H350 | May cause cancer |
| H351 | Suspected of causing cancer |

**HMIS III Rating**




Health : 2 Moderate Hazard - Temporary or minor injury may occur
* Chronic (long-term) health effects may result from repeated overexposure

Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical Hazard : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

| | |
|---|---|
| Personal Protection | : H - Splash goggles, Gloves, Synthetic apron, Vapor respirator |

SDS US (GHS HazCom 2012) - HMIS (ver 3)

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