

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Luminaura Part 2

**Other means of identification**

**SDS #** QC-109

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Cleaning agent.

**Details of the supplier of the safety data sheet**

**Supplier Address**

Qual Chem LLC  
86 Merz Blvd  
Akron, OH 44333

**Emergency Telephone Number**

**Company Phone Number** 1-800-616-CHEM (2436)  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear light yellow liquid

**Physical state** Liquid

**Classification**

|                                      |            |
|--------------------------------------|------------|
| Acute toxicity - Inhalation (Vapors) | Category 4 |
| Skin corrosion/irritation            | Category 2 |
| Serious eye damage/eye irritation    | Category 1 |

**Signal Word**

**Danger**

**Hazard statements**

Harmful if inhaled  
Causes skin irritation  
Causes serious eye damage



**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor

IF ON SKIN: Wash with plenty of water and soap

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No.     | Weight-% |
|---------------|-------------|----------|
| Proprietary   | Proprietary | 5-10     |
| Proprietary   | Proprietary | 5-10     |
| Proprietary   | Proprietary | 1-5      |
| Proprietary   | Proprietary | <1       |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**First Aid Measures**

|                       |  |
|-----------------------|--|
| <b>General Advice</b> | Provide this SDS to medical personnel for treatment.   |
| <b>Eye Contact</b>    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| <b>Skin Contact</b>   | IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.                      |
| <b>Inhalation</b>     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.                          |
| <b>Ingestion</b>      | Clean mouth with water and drink afterwards plenty of water.   |

**Most important symptoms and effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | May be harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye damage. |
|-----------------|---|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical Name | ACGIH TLV   | OSHA PEL   | NIOSH IDLH   |
|---------------|-------------|--|--|
| Proprietary   | TWA: 20 ppm | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S* | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety Glasses

**Skin and Body Protection** Wear Waterproof Gloves

**Respiratory Protection** Ensure adequate ventilation, especially in confined space areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                           |                       |                |
|-----------------------|---------------------------|-----------------------|----------------|
| <b>Physical state</b> | Liquid                    | <b>Odor</b>           | Not determined |
| <b>Appearance</b>     | Clear light yellow liquid | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Light yellow              |                       |                |

| Property                     | Values         | Remarks • Method |
|------------------------------|----------------|------------------|
| pH                           | Not determined |                  |
| Melting Point/Freezing Point | Not determined |                  |
| Boiling Point/Boiling Range  | Not determined |                  |
| Flash Point                  | Not determined |                  |
| Evaporation Rate             | Not determined |                  |
| Flammability (Solid, Gas)    | Not determined |                  |
| Flammability Limits in Air   |                |                  |
| Upper Flammability Limits    | Not determined |                  |
| Lower Flammability Limit     | Not determined |                  |
| Vapor Pressure               | Not determined |                  |
| Vapor Density                | Not determined |                  |
| Relative Density             | Not determined |                  |
| Water Solubility             | Not determined |                  |
| Solubility in other solvents | Not determined |                  |
| Partition Coefficient        | Not determined |                  |
| Auto-ignition Temperature    | Not determined |                  |
| Decomposition Temperature    | Not determined |                  |
| Kinematic Viscosity          | Not determined |                  |
| Dynamic Viscosity            | Not determined |                  |
| Explosive Properties         | Not determined |                  |
| Oxidizing Properties         | Not determined |                  |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|                            |                              |
|----------------------------|------------------------------|
| <b>Product Information</b> | Not determined               |
| <b>Eye Contact</b>         | Causes serious eye damage.   |
| <b>Skin Contact</b>        | Causes skin irritation.      |
| <b>Inhalation</b>          | Harmful if inhaled.          |
| <b>Ingestion</b>           | May be harmful if swallowed. |

**Component Information**

| Chemical Name      | Oral LD50                                 | Dermal LD50              | Inhalation LC50        |
|--------------------|---|--------------------------|------------------------|
| Water<br>7732-18-5 | > 90 mL/kg ( Rat )                        | -                        | -                      |
| Proprietary        | = 470 mg/kg ( Rat )                       | = 99 mg/kg ( Rabbit )    | = 450 ppm ( Rat ) 4 h  |
| Proprietary        | = 1400 mg/kg ( Rat ) = 1378 mg/kg ( Rat ) | > 2 g/kg ( Rabbit )      | -                      |
| Proprietary        | = 7400 mg/kg ( Rat )                      | > 2000 mg/kg ( Rabbit )  | = 4.6 mg/L ( Rat ) 4 h |
| Proprietary        | = 20 g/kg ( Rat )                         | = 20800 mg/kg ( Rabbit ) | -                      |
| Proprietary        | > 10000 mg/kg ( Rat )                     | > 2000 mg/kg ( Rabbit )  | -                      |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical Name | ACGIH | IARC    | NTP | OSHA |
|---------------|-------|---------|-----|------|
| Proprietary   | A3    | Group 3 |     |      |

**Legend**

*ACGIH (American Conference of Governmental Industrial Hygienists)*  
*A3 - Animal Carcinogen*  
*IARC (International Agency for Research on Cancer)*  
*Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |                |
|--------------------------------------|----------------|
| <b>ATEmix (oral)</b>                 | 3,362.00 mg/kg |
| <b>ATEmix (dermal)</b>               | 6,247.00 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 13.20 mg/L     |
| <b>ATEmix (inhalation-vapor)</b>     | 19.14 mg/L     |

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Chemical Name | Algae/aquatic plants  | Fish   | Crustacea   |
|---------------|---|--|---|
| Proprietary   |   | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50   | 1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50  |
| Proprietary   |   | 35: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Pimephales promelas mg/L LC50 static   |   |
| Proprietary   | 19000: 96 h Pseudokirchneriella subcapitata mg/L EC50   | 710: 96 h Pimephales promelas mg/L LC50 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static | 1000: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna mg/L EC50 |
| Proprietary   | 1.0 - 10.0: 72 h Desmodemus subspicatus mg/L EC50 0.55: 96 h Desmodemus subspicatus mg/L EC50 | 2: 96 h Brachydanio rerio mg/L LC50 semi-static 1.0 - 10.0: 96 h Brachydanio rerio mg/L LC50   | 6.5: 48 h Daphnia magna mg/L EC50   |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name | Partition Coefficient |
|---------------|-----------------------|
| Proprietary   | 0.81                  |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated
- IATA** Not regulated
- IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

| Chemical Name | TSCA | DSL/NDSL | EINECS/E LINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|---------------|------|----------|----------------|---------|-------|---------|-------|------|
| Proprietary   | X    | X        | X              | Present | X     | Present | X     | X    |
| Proprietary   | X    | X        | X              | Present | X     |         |       | X    |
| Proprietary   | X    | X        |                |         | X     | Present | X     | X    |
| Proprietary   | X    | X        | X              |         | X     | Present | X     | X    |
| Proprietary   | X    |          |                |         | X     | Present | X     |      |
| Proprietary   | X    | X        | X              | Present | X     | Present | X     | X    |
| Proprietary   | X    | X        | X              |         | X     | Present | X     | X    |

**Legend:**

- TSCA* - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL* - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS* - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS* - Japan Existing and New Chemical Substances
- IECSC* - China Inventory of Existing Chemical Substances
- KECL* - Korean Existing and Evaluated Chemical Substances
- PICCS* - Philippines Inventory of Chemicals and Chemical Substances
- AICS* - Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No. | Weight-% | SARA 313 - Threshold Values % |
|---------------|---------|----------|-------------------------------|
| Proprietary - |         | 5-10     | 1.0                           |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Proprietary   | X          | X             | X            |
| Proprietary   | X          |               | X            |

**16. OTHER INFORMATION**

|                    |   |                                       |   |  |
|--------------------|---|---------------------------------------|---|--|
| <u><b>NFPA</b></u> | <b>Health Hazards</b><br>Not determined | <b>Flammability</b><br>Not determined | <b>Instability</b><br>Not determined      | <b>Special Hazards</b><br>Not determined     |
| <u><b>HMIS</b></u> | <b>Health Hazards</b><br>Not determined | <b>Flammability</b><br>Not determined | <b>Physical hazards</b><br>Not determined | <b>Personal Protection</b><br>Not determined |

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**