SAFETY DATA SHEET

1. Identification

Material name: LIQUID COLOR DISPERSIONS - 1QT CORAL
Material: CLDI 0032 190

Recommended use and restriction on use

Recommended use: Pigment
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information
EUCLID CHEMICAL COMPANY
19218 REDWOOD ROAD
CLEVELAND OH 44110
US

Contact person: EH&S Department
Telephone: 216-531-9222
Emergency telephone number: 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification
Not classified

Label Elements

Hazard Symbol: No symbol
Signal Word: No signal word.
Hazard Statement: not applicable
Precautionary Statement: not applicable

Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

Mixtures

Chemical Identity | CAS number | Content in percent (%)* |
------------------|------------|-------------------------|
Propylene glycol  | 57-55-6    | 7 - 13%                 |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Call a POISON CENTER/doctor/.../if you feel unwell. Rinse mouth.
Inhalation: Move to fresh air.
**Skin Contact:**
Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

**Eye contact:**
Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

**Most important symptoms/effects, acute and delayed**

**Symptoms:**
May cause skin and eye irritation.

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

**Treatment:**
Symptoms may be delayed.

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**5. Fire-fighting measures**

**General Fire Hazards:**
No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

- **Suitable extinguishing media:**
  Use fire-extinguishing media appropriate for surrounding materials.

- **Unsuitable extinguishing media:**
  Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:**
During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

- **Special fire fighting procedures:**
  No data available.

- **Special protective equipment for fire-fighters:**
  Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:**
No data available.

**Methods and material for containment and cleaning up:**
Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Notification Procedures:**
In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Environmental Precautions:**
Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
7. Handling and storage

Precautions for safe handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store away from incompatible materials. Store in original tightly closed container.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol - Aerosol.</td>
<td>TWAEV</td>
<td>10 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Propylene glycol - Vapor and aerosol, inhalable fraction.</td>
<td>TWAEV</td>
<td>50 ppm 155 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls: Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection
Hand Protection: Use suitable protective gloves if risk of skin contact.

Other: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Observe good industrial hygiene practices.

9. Physical and chemical properties
Appearance

Physical state: liquid
Form: liquid
Color: Pink
Odor: Mild
Odor threshold: No data available.
pH: No data available.
Melting point/freezing point: No data available.
Initial boiling point and boiling range: No data available.
Flash Point: No data available.
Evaporation rate: Slower than Ether
Flammability (solid, gas): No

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): No data available.
Flammability limit - lower (%): No data available.
Explosive limit - upper (%): No data available.
Explosive limit - lower (%): No data available.

Vapor pressure: No data available.
Vapor density: Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density: 2.05

Solubility(ies)

Solubility in water: Practically Insoluble
Solubility (other): No data available.
Partition coefficient (n-octanol/water): No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.

10. Stability and reactivity

Reactivity: No data available.
Chemical Stability: Material is stable under normal conditions.
Possibility of Hazardous Reactions: No data available.
Conditions to Avoid: Avoid heat or contamination.
Incompatible Materials: Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information
Information on likely routes of exposure

**Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

**Inhalation:** In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

**Skin Contact:** May be harmful in contact with skin.

**Eye contact:** Eye contact is possible and should be avoided.

Information on toxicological effects

**Acute toxicity (list all possible routes of exposure)**

**Oral**
- **Product:** No data available.

**Dermal**
- **Product:** ATEmix: 4,000 mg/kg

**Inhalation**
- **Product:** No data available.

**Specified substance(s):**
- Propylene glycol
  - LC 50 (Rabbit, 2 h): > 317,042 mg/m3

**Repeated dose toxicity**
- **Product:** No data available.

**Skin Corrosion/Irritation**
- **Product:** No data available.

**Serious Eye Damage/Eye Irritation**
- **Product:** No data available.

**Specified substance(s):**
- Propylene glycol
  - (Human): Irritating

**Respiratory or Skin Sensitization**
- **Product:** No data available.

**Carcinogenicity**
- **Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**
- No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**
- No carcinogenic components identified
No carcinogenic components identified

Germ Cell Mutagenicity

**In vitro**
- **Product:** No data available.

**In vivo**
- **Product:** No data available.

Reproductive toxicity
- **Product:** No data available.

Specific Target Organ Toxicity - Single Exposure
- **Product:** No data available.

Specific Target Organ Toxicity - Repeated Exposure
- **Product:** No data available.

Aspiration Hazard
- **Product:** No data available.

Other effects:
- **Product:** No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

**Fish**
- **Product:** No data available.

**Specified substance(s):**
- Propylene glycol
  - LC 50 (Fathead minnow (Pimephales promelas), 96 h): 55,770 mg/l Mortality

**Aquatic Invertebrates**
- **Product:** No data available.

**Specified substance(s):**
- Propylene glycol
  - EC 50 (Water flea (Daphnia magna), 48 h): > 10,000 mg/l Intoxication
  - EC 50 (Water flea (Daphnia magna), 24 h): > 10,000 mg/l Intoxication
  - LC 50 (Brine shrimp (Artemia salina), 24 h): > 10,000 mg/l Mortality

Chronic hazards to the aquatic environment:

**Fish**
- **Product:** No data available.
**Specified substance(s):**
Propylene glycol

**Aquatic Invertebrates**
**NOAEL (Pimephales promelas, 7 d):** 11,530 mg/l experimental result

**Product:** No data available.

**Toxicity to Aquatic Plants**
**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**
**Product:** No data available.

**BOD/COD Ratio**
**Product:** No data available.

**Bioaccumulative Potential**
**Bioconcentration Factor (BCF)**
**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**
**Product:** No data available.

**Specified substance(s):**
Propylene glycol

**Log Kow:** -0.92

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

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### 13. Disposal considerations

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** No data available.

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### 14. Transport information

**TDG:**
Not Regulated

**CFR / DOT:**

0000000015458
Not Regulated

IMDG:
Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Not listed.

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical
Chemical Identity Threshold Planning Quantity
Propylene glycol 500 lbs

SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act
Chemical Identity
Propylene glycol
US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
Chemical Identity
Propylene glycol

US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

Other Regulations:
- Regulatory VOC (less water and exempt solvent): 73 g/l
- VOC Method 310: 2.10 %

Inventory Status:
- Australia AICS: One or more components in this product are not listed on or exempt from the Inventory.
- Canada DSL Inventory List: All components in this product are listed on or exempt from the Inventory.
- EINECS, ELINCS or NLP: One or more components in this product are not listed on or exempt from the Inventory.
- Japan (ENCS) List: One or more components in this product are not listed on or exempt from the Inventory.
- China Inv. Existing Chemical Substances: One or more components in this product are not listed on or exempt from the Inventory.
- Korea Existing Chemicals Inv. (KECI): One or more components in this product are not listed on or exempt from the Inventory.
- Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory.
- Philippines PICCS: One or more components in this product are not listed on or exempt from the Inventory.
- US TSCA Inventory: All components in this product are listed on or exempt from the Inventory.
- New Zealand Inventory of Chemicals: One or more components in this product are not listed on or exempt from the Inventory.
- Japan ISHL Listing: One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing: One or more components in this product are not listed on or exempt from the Inventory.

16. Other information, including date of preparation or last revision

Revision Date: 08/04/2015
Version #: 1.0
Further Information: No data available.
Disclaimer: For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.