

**SECTION 1: IDENTIFICATION**

|                            |                                   |   |
|----------------------------|-----------------------------------|---|
| <b>Product Name</b>        | Liquid Colour packs - All Colours | <b>Supplier information</b>                         |
| <b>Chemical Family</b>     | No Data Available                 | New Zealand Decorative Concrete Ltd T/A Permacolour |
| <b>Chemical Formula</b>    | No Data Available                 | 42A Egmont Road, Waiwhakaiho, New Plymouth          |
| <b>Chemical Name</b>       | Micronized synthetic Iron oxide   | 0508 444 555 or 06 755 3320                         |
| <b>Product Description</b> | No Data Available                 | www.permacolour.co.nz                               |

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Label elements**

Emergency Overview

|   |                               |                             |
|---|-------------------------------|-----------------------------|
| This product contains no substances which at their given concentration, are considered to be hazardous to health. |                               |                             |
| <b>Appearance:</b> Viscous  | <b>Physical State:</b> Liquid | <b>Odor:</b> Characteristic |

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required

**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-  
 May cause eye irritation. May cause: tearing, redness, discomfort.  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Store in accordance with local regulations  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name          | CAS No.     | Weight-% | Trade Secret |
|------------------------|-------------|----------|--------------|
| Yellow Iron Oxide      | 51274-00-1  | 0-65     | *            |
| Red Iron Oxide         | 1309-37-1   | 0-65     | *            |
| Black Iron Oxide       | 1317-61-9   | 0-65     | *            |
| Proprietary Dispersant | Proprietary | 1 -10    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

|                       |   |
|-----------------------|---|
| <b>General advice</b> | In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).  |
| <b>Eye contact</b>    | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. (Get medical attention immediately if irritation persists.). |
| <b>Skin Contact</b>   | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.                           |
| <b>Inhalation</b>     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.   |
| <b>Ingestion</b>      | Clean mouth with water. Remove from exposure, lie down. Do not induce vomiting without medical advice. Consult a physician if necessary.  |

### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

### Suitable extinguishing media

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

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

No information available.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### 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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Avoid creating dust. Evacuate personnel to safe areas.

**Environmental precautions** Environmental precautions See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment** Vacuum or sweep up material and place in a designated labeled waste container. Prevent further leakage or spillage if safe to do so. Prevent dust cloud.

**Methods for cleaning up** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Take up with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep from freezing. Keep cool. Protect from sunlight. Store at temperatures not exceeding 80 °C/ 176 °F.  
**Incompatible materials** Strong oxidizing agents. Strong acids.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. The TWA limits are set for Iron or Iron Oxide fumes. The Iron Oxide pigments do not contain any Iron or Iron Oxide fumes.

| Chemical Name                            | ACGIH TLV                        | OSHA PEL   | NIOSH IDLH   |
|--|----------------------------------|--|--|
| Micronized Synthetic Iron oxide pigments | TWA: 5 mg/m3 respirable fraction | TWA: 10 mg/m3 fume<br><br>TWA: 15 mg/m3 total dust<br>TWA: 5 mg/m3 respirable fraction (vacated)<br>TWA: 10 mg/m3 fume and total dust Iron oxide (vacated)<br>TWA: 5 mg/m3 respirable fraction regulated under Rouge | IDLH: 2500 mg/m3 Fe dust and fume<br>TWA: 5 mg/m3 Fe dust and fume |

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

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

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).  
**Skin and body protection** Wear protective gloves and protective clothing. Protective shoes or boots.  
**Respiratory protection** In case of inadequate ventilation wear respiratory protection.  
**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Liquid  
**Appearance** Viscous  
**Colour** See colour cards, Various colours available.

| Property                      | Values                   | Remarks • Method |
|-------------------------------|--------------------------|------------------|
| pH                            | 8.0 - 10.0               |                  |
| Melting point/freezing point  | No information available |                  |
| Boiling point / boiling range | No information available |                  |
| Flash point                   | No information available |                  |

| <u>Property</u>              | <u>Values</u>            | <u>Remarks • Method</u> |
|------------------------------|--------------------------|-------------------------|
| Evaporation rate             | No information available |                         |
| Flammability (solid, gas)    | No information available |                         |
| Flammability Limit in Air    |                          |                         |
| Upper flammability limit:    | No information available |                         |
| Lower flammability limit:    | No information available |                         |
| Vapor pressure               | No information available |                         |
| Vapor density                | No information available |                         |
| Specific Gravity             | 4.0 - 5.0                |                         |
| Water solubility             | No information available |                         |
| Solubility in other solvents | No information available |                         |
| Partition coefficient        | No information available |                         |
| Autoignition temperature     | No information available |                         |
| Decomposition temperature    | No information available |                         |
| Kinematic viscosity          | No information available |                         |
| Dynamic viscosity            | No information available |                         |
| Explosive Properties         | No information available |                         |
| Oxidizing properties         | No information available |                         |

**Other Information**

|                  |                          |
|------------------|--------------------------|
| Softening point  | No information available |
| Molecular weight | No information available |
| VOC Content (%)  | No information available |
| Density          | No information available |
| Bulk density     | No information available |

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity** No information available

**Chemical stability** Stable under normal conditions.

**Possibility of Hazardous Reactions** None under normal processing.

**Hazardous polymerization** None under normal processing.

**Conditions to avoid** Extremes of temperature and direct sunlight.

**Incompatible materials** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products** None known based on information supplied.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information. Dried product might be harmful if inhaled.

**Inhalation** May cause irritation of respiratory tract.

**Eye contact** May cause mechanical irritation (abrasion).

**Skin Contact** May cause mechanical irritation (abrasion).

**Ingestion** No known effect based on information supplied.

| <u>Chemical Name</u> | <u>Oral LD50 Dermal</u>         | <u>LD50 Inhalation</u> | <u>LC50</u> |
|----------------------|---------------------------------|------------------------|-------------|
| Red Iron Oxide       | 1309-37-1 > 10000 mg/kg ( Rat ) | -                      | -           |
| Black Iron Oxide     | 1317-61-9 > 10000 mg/kg ( Rat ) | -                      | -           |

**Information on toxicological effects**

**Symptoms** No information available.

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

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

| Chemical Name               | ACGIH | IARC    | NTP | OSHA |
|-----------------------------|-------|---------|-----|------|
| Red Iron Oxide<br>1309-37-1 | -     | Group 3 | -   | -    |

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

**Numerical measures of toxicity - Product Information**

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

ATEmix (oral) 60060 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Other adverse effects** No known significant effects or critical hazards

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Disposal of wastes This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261). Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

**SECTION 14: TRANSPORT INFORMATION**

|            |               |
|------------|---------------|
| DOT        | Not regulated |
| TDG        | Not regulated |
| MEX        | Not regulated |
| ICAO (air) | Not regulated |
| IATA       | Not regulated |
| IMDG       | Not regulated |
| RID        | Not regulated |
| ADR        | Not regulated |
| ADN        | Not regulated |

**SECTION 15: REGULATORY INFORMATION**

Note that local regulations controlling the transportation, use, distribution storage and/ or processing of this product may vary. Consult your local authorities to establish which regulations apply to your operations.

## **SECTION 16: OTHER INFORMATION**

New Zealand Decorative Concrete Ltd has compiled the information and recommendations contained in this Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject at the date quoted in section sixteen of the Safety Data Sheet. No warranty, guarantee or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine the environmental regulatory compliance obligations under any applicable New Zealand laws. In providing this disclaimer New Zealand Decorative Concrete Ltd removes itself from any responsibility/liability of damages/harm caused by the information or lack thereof in this Safety Data Sheet document.