



MATERIAL SAFETY DATA SHEET WATERBASED PRIMER RED OXIDE

1. Product and Company Identification:

Product Name: WATERBASED PRIMER RED OXIDE
Product Use: Paint material
Manufacturer/Supplier: Pro-Paint Manufacturing (PTY) Ltd
4 Industrial Crescent,
Bronkhorstspuit, 1020
Phone Number: 013 932 0020 / 30

2. Hazardous Identification:

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
GHS Classification: Eye Irritant Category 2B
Skin Irritant Category 2
Carcinogenicity - Category 2
Signal Word: WARNING!
Hazard Statements: MAY CAUSE EYE AND SKIN IRRITATION. MAY CAUSE CANCER

Precautionary Statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective clothing, gloves, eye, and face protection. Do not eat, drink or smoke when using this product. Wash hand thoroughly after handling. Take off contaminated clothing and wash it before reuse. Dispose of unused contents, container, and other contaminated wastes in accordance with local, state, federal, and provincial regulation.

If in Eye: Rinse cautiously with water for several minutes and remove contact lenses if present and easy to do. Continue rinsing and get medical attention if eye irritation persists.

If on Skin: Wash with plenty of soap and water.

If Swallowed: Rinse mouth and get medical attention if you feel unwell.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Potential Health Effects: Eye: May cause eye irritation.
Skin: May cause skin irritation.
Ingestion: May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation.



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Chronic Effects:
Signs and Symptoms:

Prolonged or repeated contact may dry skin and cause irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause stomach distress, nausea or vomiting. Vapors may cause drowsiness and dizziness.

Medical Conditions Aggravated by Exposure:
Target Organs:
Potential Environmental Effects:

Asthma. Allergies.
Skin, eyes, gastrointestinal tract, respiratory system.
May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Hazards Not Otherwise Classified (HNOC):
Unknown Acute Toxicity:

None known
24.5% of the mixture consists of ingredient(s) of unknown toxicity.

3. HAZARDS INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Ingredient	CAS #	Wt. %
Titanium Dioxide	13463-67-7	5 - 15
Nepheline Syenite	37244-96-5	5 - 15
Diatomaceous Earth, flux- calcined	68855-54-9	1 - 3
Zinc Oxide	1314-13-2	1 - 3
Trimethyl Pentanediol Monois butyrate	25265-77-4	1 - 3

The exact percentage (concentration) of composition has been withheld as a trade secret.
See section 8 for occupational exposure limit information

4. FIRST AID MEASURES

Eye Contact:

In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.



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Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give 2 cupsful of water. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately. (Show the label or SDS where possible).

Note to Physicians: Symptoms may not appear immediately.

5. **FIRE FIGHTING MEASURES**

Flammability: Not flammable by WHMIS criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

6. **ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow entering waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Scoop up material and place in a disposal container. Provide ventilation.

Other Information: Not available.

7. **HANDLING AND STORAGE**

Handling: Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.



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Storage:

Keep out of the reach of children. Keep container tightly closed. Store in a cool place. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Exposure Limits:

Ingredient	OSHA PEL, ACGIH-TLV
Titanium dioxide	OSHA PEL: TWA: 15 mg/m ³ Form: Total dust, ACGIH TLV: TWA:10mg/m ³
Nepheline Syenite	OSHA PEL: TWA: 15 mg/m ³ Form: Total dust, TWA: 5 mg/m ³ Form: Respirable fraction ACGIH TLV: TWA: 3 mg/m ³ Form: Respirable fraction TWA:10mg/m ³ Form: Inhalable fraction
Zinc Oxide	OSHA PEL: TWA: 5 mg/m ³ Form: Fume TWA: 5 mg/m ³ Form: Respirable fraction TWA: 15 mg/m ³ Form: Total dust ACGIH TLV: STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction TWA: 2 mg/m ³ Form: Respirable fraction
Diatomaceous Earth, flux- calcined	OSHA PEL Z3 TWA: 20 mppcf TWA: 80 mg/m ³ / (%SiO ₂)
Trimethyl Pentanediol Monois butyrate	OSHA PEL: N.E., ACGIH TLV: N.E.

Engineering Controls:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection:

Wear eye/face protection.

Hand Protection:

Wear suitable gloves.

Skin and Body Protection:

Wear suitable protective clothing.

Respiratory Protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations:

Handle according to established industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Milky liquid.

Color:

Not available.

Odor:

Mild odor.



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Odor Threshold:	Not available.
Physical State:	Liquid.
PH:	8.0 - 9.5
Viscosity:	88 - 95 KU
Freezing Point:	Not available.
Boiling Point:	> 100 °C (> 212 °F)
Flash Point:	None.
Evaporation Rate:	Not available.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	1.27
Solubility in Water:	Dispersible.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
VOC content:	Coatings VOC: 76 grams/liter; Material VOC: 30 grams/liter Maximum 100 grams/liter

10. STABILITY AND REACTIVITY

Stability:	Stable under normal storage conditions.
Conditions of Reactivity:	Heat. Incompatible materials.
Incompatible Materials:	Alkalis. Strong acids. Oxidizers.
Hazardous Decomposition Products:	May include, and are not limited to: oxides of carbon.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.

11. TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD50 (oral)	LC50
Titanium dioxide	> 10000 mg/kg, rat	Not available
Nepheline Syenite	Not available	Not available
Zinc Oxide	> 5000 mg/kg rat	Not available
Diatomaceous Earth, flux- calcined	Not available	Not available
Trimethyl Pentanediol Monois butyrate	3200 mg/kg, rat	3.55 mg/L, rat 6hr



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Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation. Vapors may cause drowsiness and dizziness.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Hazardous by WHMIS criteria.

Carcinogenicity: Hazardous by WHMIS criteria.

Ingredient	Chemical Listed as Carcinogen or Potential
Titanium dioxide	G-A4, I-2B
Nepheline Syenite	Not Listed
Zinc Oxide	Not Listed
Diatomaceous Earth, flux- calcined	G-A1, I-1, N-1
Trimethyl Pentanediol Monois butyrate	Not Listed

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS criteria.

Reproductive Effects: Not hazardous by WHMIS criteria.

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS criteria.

Embryotoxicity: Not hazardous by WHMIS criteria.

Respiratory Sensitization: Not hazardous by WHMIS criteria.

Skin Sensitization: Not hazardous by WHMIS criteria.

Toxicologically Synergistic Materials: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.



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13. DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations. Do not empty into drains.

14. TRANSPORTATION INFORMATION

US DOT, CANADA TDG Surface:
 TRANSPORT BY SEA IMDG / IMO:
 AIR TRANSPORT ICAO-TI / IATA-DGR:

Not regulated
 Not regulated
 Not regulated

15. REGULATORY INFORMATION

Federal Regulations
 Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Global Inventories

Ingredient	DSL / NDSL
Titanium dioxide	DSL
Nepheline Syenite	NDSL
Zinc Oxide	DSL
Diatomaceous Earth, flux- calcined	DSL

16. OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.



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