

SAFETY DATA SHEET

ULTIMA PLUS SATIN EMULSION



SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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| Supplier: | Harris Group of Companies Willey, St. Michael Barbados, BB14006 Tel: 246-429-4840 | |
| Product Code and Name: | 12/0432 | Ultima Plus Satin Emulsion |
| | 12/2532 | Ultima Plus Satin Emulsion |
| Manufacturer: | Harris Group of Companies Willey, St. Michael, Barbados, BB14006 | |
| General Information: | Technical Department Harris Paints Barbados (2003) Limited | Tel: (246) 429-4840 Fax: (246) 436-9544 E-Mail: technical@harrispaintsonline.com |
| Product Use: | Interior/Exterior Paints | |
| Date of Preparation: | January 14 th , 2016 | Revision#: 2 |

SECTION 2: HAZARDOUS IDENTIFICATION

| GHS Classification | Classification Categories |
|----------------------------|---|
| Flammable Liquid | Category 4: |
| Acute Toxicity | |
| Oral | Category 5 |
| Dermal | Category 5 |
| Inhalation: Vapour | Category 5 |
| Inhalation: Dust and Mist | Not classifiable under normal handling |
| Skin corrosion/Irritation | Category 3: Irritant |
| Eye damage/ Eye irritation | Category 2B |
| Carcinogenicity | No available data but contains suspected ingredients |
| Reproductive toxicity | No available data but contains ingredient known to have potential and suspected |

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| Symbols: Exclamation mark | Signal word: Warning |
| Hazard Statement WARNING! Combustible liquid May be harmful if swallowed | Precautionary Statement May be harmful in contact with skin, inhalation, or ingestion for prolonged periods. Keep out of reach of children |

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| <p>May be harmful in contact with skin for prolonged or repeat periods</p> <p>May be harmful with prolonged or repeat inhalation</p> <p>Cause mild skin irritation to compromised skin</p> <p>Cause mild eye irritation</p> <p>May be harmful if swallowed and enters airways</p> <p>May cause damage to skin, eyes, respiratory tract, lungs, liver, CNS through prolonged or repeated exposure due to inappropriate use</p> <p>Harmful to aquatic life</p> | <ol style="list-style-type: none"> 1. Keep away from heat, open flames and hot surfaces. No smoking 2. Do not eat or drink when using this product. 3. Wear protective gloves, eye/face protection and long-sleeved clothing to avoid skin contact, if necessary. 4. Avoid breathing dust, mist, vapours or spray. 5. Use in a well-ventilated area. 6. Wash hands with soap and water thoroughly after handling. 7. Avoid release to the environment. |
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SECTION 3: HAZARDOUS COMPOSITION OF INGREDIENTS AND INFORMATION

| INGREDIENTS NAMES | | | COMPOSITION % (Wt. /Gal.) | | | |
|------------------------------------|---|-----------------------|---------------------------|------------------|------------------|------------------|
| Common Name | Chemical Name | CAS No. | *043R | *044J | *045M | *046L |
| Titanium Dioxide | Titanium Dioxide | 13463-67-7 | 2.66-3.26 | 2.69-3.29 | 2.60-3.19 | 2.60-3.19 |
| Propylene glycol | 1,2-Propylene glycol | 57-55-6 | >1.29 | >1.29 | >1.35 | >1.35 |
| Quartz, Silica | Quartz, Crystallised Silicon Dioxide | 14808-60-7 | <0.1 | <0.1 | <0.1 | <0.1 |
| Limestone, Calcium Carbonate | Calcium Carbonate | 471-34-1 1317-65-3 | >1.53 | >1.54 | >1.63 | >1.63 |
| Acticide | N/A Microbiocides Mixture | Mixture | 0.25 (<0.022) | 0.25 (<0.023) | 0.26 (<0.024) | 0.26 (<0.024) |

SECTION 4: FIRST-AID MEASURES

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| <p>Skin Contact: If on skin, wash with plenty of water and soap. If necessary, take off contaminated clothing and wash before re-use. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeat applications may be needed. If skin irritation or rash occurs, get medical attention.</p> |
| <p>Inhalation: Remove person to fresh air and keep comfortable for breathing. Have trained person give oxygen if necessary. If necessary, restore and support continued breathing and get emergency medical attention. Get medical help for any breathing difficulty. Remove to fresh air if inhalation caused eye watering, headaches, dizziness or other discomfort. Get medical attention if discomfort or irritation persists.</p> |
| <p>Eye Contact: Immediately flush cautiously with large amounts of water, especially under lids for at least 15 minutes. Remove contacts lenses, if present and easy to do so and continue rinsing. If irritation or other effects persist, obtain medical treatment.</p> |

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Ingestion: Rinse mouth. If swallowed, do not induce vomiting. If victim is conscious give at least 2 glasses of water. Obtain medical treatment immediately if feeling unwell.

SECTION 5: FIRE-FIGHTING MEASURES

In case of fire use and be aware of the following

Suitable Extinguishing Media: Dry chemical, foam or carbon dioxide. Water should only be used to cool fire-exposed containers, structures and to protect personnel or to dilute and flush away from sources of ignition.

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat or fire. Vapours may concentrate in confined areas. Vapours may be heavier than air and may travel along distances to a source of ignition and flash back.

Fire Fighting Procedure Wear full protective clothing such as heat insulating clothes and gloves, eye and face protection and respiratory protection. Self-contained breathing apparatus should be used when entering the hot zone. Remove any combustible material from the surrounding area where safe to do so. Start fire fighting from an up wind/wind ward direction. Only use the specified extinguishing media.

Products of Combustion: Carbon monoxide, carbon dioxide, monomer vapours, toxic gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Measures: Comply with all applicable health and environmental regulations. If necessary, evacuate all unnecessary personnel upwind/windward. Eliminate all sources of ignition such as heat, sparks, open flames and other combustible materials. Cordon area from accidental entry. Complete personal protective equipment must be worn during clean-up if necessary.

Small Spills and Leaks: Use non-combustible, absorbent material such as sand, vermiculite and place into containers to dispose of properly.

Large Spills and Leaks: Shut off leak if safe to do so. Dike and contain spill far ahead of liquid for later disposal. Pump to storage or salvage vessel (if quantity allows). Use absorbent material to collect excess residue. Keep salvageable material and rinse water out of sewers and water course.

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| SECTION 7: HANDLING AND STORAGE | |
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| General Precautions: | <p>Do not use this product other than the purpose specified by the manufacturer or Supplier. Keep out of reach of children. N.B.: Keep running water sources on site in cases of emergency and for after work cleaning.</p> |
| Handling: | <p>Use only with adequate ventilation. Do not take internally. Avoid contact with skin and eyes and breathing of vapours. Wash hands thoroughly after handling, especially before eating or smoking. Avoid conditions which result in formation of inhalable particles such as spraying or sanding painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under Section 8 below.</p> |
| Storage: | <p>Smaller quantities should be stored in polypropylene pails or lacquer lined tins if removing from the original containers from manufacturer or supplier. Keep containers tightly closed and upright when not in use. Empty containers may contain residues. Store in a well-ventilated place. Keep cool.</p> |

| SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION | | | | |
|--|--|-----------|-------------------------|------------------------|
| Common Name | CAS No. | EINECS | ACGHI-TLV 8-Hour TWA | OSHA-PEL 8-Hour TWA |
| Titanium Dioxide | 13463-67-7 | 236-675-5 | 10 mg/m ³ | 10 mg/m ³ |
| Propylene glycol | 57-55-6 | 200-338-0 | Not est. | Not est. |
| Quartz, Silica | 14808-60-7 | 238-878-4 | 0.05 mg/m ³ | 0.1 mg/m ³ |
| Limestone, Calcium Carbonate | 1317-65-3 | 215-279-6 | 10 mg/m ³ | 15 mg/m ³ |
| Microbiocide | Mixture | Mixture | Not est. | Not est. |
| Personal Protection Equipment | <p>Skin If risk assessments deemed necessary, impervious clothing should be worn to eliminate possible skin contact and irritation, such as chemical resistant coveralls or neoprene apron if appropriate. If necessary, impervious gloves such as rubber, or nitrile, gloves should be worn.</p> <p>Respiratory Use in a well-ventilated area or provide local exhaust or ventilation to reduce vapours build up. Use of an appropriate NIOSH/MSHA approved face piece respirator outfitted with organic vapour cartridges and paint spray (Dust / Mist) prefilters when sanding/stripping for prolonged period in not-well ventilated areas.</p> | | | |

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Eyes Chemical resistant safety goggles or glasses recommended especially for overhead work. Wear face shield to protect facial skin also.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State and Appearance: | Liquid | Odour: | Faint |
| pH: | 9.57 – 10.02 | Colour: | White to milky white |
| Soluble / Insoluble: | Soluble in water | Viscosity: | 99 -105 K.U. |
| Melting / Freezing Point: | Not available | Solubility: | Not available |
| Boiling / Condensation Point: | 100 – 260.5 °C | Critical Temperatures: | Not available |
| Specific Gravity: | 1.10 – 1.20 | Volatility: | (5.15, 5.14, 5.18, 5.25) ¹ % by weight |
| Vapour Density: | Not available | Vapour Pressure: | Not available |
| Evaporation Rate: | Not available | | |

¹ In order of Section 2 listing

SECTION 10: STABILITY AND REACTIVITY

Stability and reactivity: This product is stable under normal conditions. See Section 5 Fire Fighting Measures.

Conditions to avoid: Elevated temperatures, contact with oxidising agents, sparks, freezing, open flame, extremes in temperature.

Materials to avoid: Oxidisers, acids, nitric acid, hydrofluoric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

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| Possible Effects to Overexposure | Inhalation:- | Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, dizziness and/or light-headedness, headache, nausea, coughing, sneezing, central nervous system depression, kidney damage. |
| | Skin contact:- | Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting. Possible sensitization to skin. Skin contact may result in dermal absorption of component(s) of this product which may cause headache, nausea, central nervous system depression. |
| | Eye contact:- | Irritation of eyes. Prolonged or repeated contact may cause conjunctivitis, tearing of eyes, and redness of eyes. |
| | Ingestion:- | Ingestion may cause dizziness and /or light headedness, headache, vomiting, gastro-intestinal disturbances, severe |

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| | abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, pulmonary edema, loss of consciousness. |
| Supplemental Health Information: | No additional effects are anticipated besides those mentioned in Section 5 Fire Fighting Measures. This product has not been listed by IARC, OSHA, ACGIH, DSL, TSCA but contains ingredients which are toxic by ingestion, inhalation and through the skin. Chemicals in their non-reportable form could be encountered when stripping or release of by-products may build-up in the headspace of the containers. |
| Carcinogenicity | IARC has classified Quartz in its respirable form. Titanium dioxide has been listed by the IARC as a possible carcinogen to humans based on inadequate evidence in humans and sufficient evidence of carcinogenicity in experimental animals. Microbiocides are also listed as suspected of causing cancer under the EEC. |

| SECTION 12: ECOLOGICAL INFORMATION | |
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| General Note: | There is no data available on the products but contains an ingredient known to be very toxic to aquatic life and with long lasting effects. Do not allow undiluted product or large quantities of products to reach ground water, water courses or sewage systems. |

| SECTION 13: DISPOSAL CONSIDERATION | |
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| | Dispose of in accordance with all applicable regulations ensuring no contamination of surrounding environment. |

| SECTION 14: TRANSPORTATION INFORMATION | |
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| This product is to be shipped as consumer commodity packaging, but it is the responsibility of the shipper to ensure full compliance with the applicable regulations. This product is not controlled or regulated under DOT, IATA. | |
| UN ID No.: | Not regulated |
| DOT: Classification: | Not regulated |
| IATA: Classification: | Not regulated |

| SECTION 15: REGULATORY INFORMATION | |
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| Products | As of the date of this SDS, this product was not being regulated or controlled. It also contains other hazardous ingredients below the required reportable limits |

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Product Components:

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| DSCL (EEC): | Quartz | R20, R48 |
| | Microbiocide | T – Toxic; Xn – Harmful; N – Dangerous for the environment; Xi – Sensitizing; R20/R21, R22, R40, R43, R46, R48/R22, R51/R53, R60, R61 |
| | Propylene glycol | R21, R22 |
| IARC: | Titanium Dioxide | Group 2B – Possible carcinogen to humans |
| | Quartz | Group 1 – Known carcinogen to humans; see Section 11 |
| SARA Title III Section 311/312: | Titanium dioxide | Immediate (Acute) Health Hazard |
| | Quartz | Immediate (Acute) Health and Delayed (Chronic) Health Hazards |
| | Propylene glycol | Immediate (Acute) Health Hazard |
| | Limestone | Immediate (Acute) Health Hazards |
| Section 313: | None Listed | |
| WHMIS: | Titanium Dioxide | Class D, Div 2, Subdiv A: Material causing other effects (VERY TOXIC) |
| | Quartz | Class D, Div 2, Subdiv A: Material causing other effects (VERY TOXIC) |
| | Limestone | Class D, Div 2, Subdiv B: Materials causing other toxic effects (TOXC) |
| DSL: | Titanium dioxide | Listed |
| | Quartz | Listed |
| | Propylene glycol | Listed |
| TSCA: | Titanium dioxide | Listed |
| | Quartz | Listed |
| | Propylene glycol | Listed |

SECTION 16: OTHER INFORMATION

Risk Phrase used in Section 15 above

R20: Harmful by inhalation

R20/21: Also harmful by inhalation and in contact with skin

R22: Harmful if swallowed.

R40: Limited evidence of a carcinogenic effect

R43: May cause sensitisation by skin contact

R46: May cause heritable genetic damage

R48/22: Also harmful: danger of serious damage to health by prolonged exposure if swallowed

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R48: Danger of serious damage to health on prolonged exposure
R51/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R60: May impair fertility
R61: May cause harm to the unborn child

The information contained herein is based on data available at the time of preparation of this data sheet and which is believed to be reliable. However, it is the users' responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. This information is given in good faith, but no warranty, expressed or implied is made.

The information found in this SDS complies with GHS, ISO, for Canada, the USA and the European Union.