



## SAFETY DATA SHEET

# PERMA Flat Emulsion

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Supplier :</b>	Harris Group of Companies Wildey, St. Michael Barbados, BB 14006 Tel: 246-429-4840	
<b>Product Code and Name:</b>	12/0512 <b>Perma Flat Emulsion</b> 12/2600 <b>Perma Flat Emulsion</b>	
<b>Manufacturer:</b>	Harris Group of Companies Wildey, St. Michael, Barbados, BB 14006	
<b>General Information:</b>	Technical Department Harris Paints Barbados (2003) Limited	Tel: (246) 429-4840 Fax: (246) 436-9544 E-Mail: technical@harrispaintsonline.com
<b>Product Use:</b>	Interior/Exterior Paint Base	
<b>Date of Preparation:</b>	Janaury 14, 2016	Revision#: 2

### SECTION 2: HAZARDOUS IDENTIFICATION

GHS Classification	Classification Categories
Flammable Liquid	Category 4:
Acute Toxicity	
Oral	Category 5
Dermal	Category 5
Inhalation: Gas	Not Applicable
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
Respiratory Sensitisation Solid/Liquid	No available data
Respiratory Sensitisation Gas	Not classifiable
Skin Sensitisation	No available data
Germ Cell Mutagenicity	Not available data
Carcinogenicity	No available data
Reproductive toxicity	No available data
Effects on or via lactation	Not classifiable
Specific Target Organ/Systemic Toxicity (Single Exposure)	Not classifiable for skin or inhalation. No available data for ingestion
Specific Target/Systemic Toxicity (Repeated Exposure)	No available data
Aspiration Hazard	No available data
Hazard to the Aquatic Environment (Acute)	No available data
Hazard to the Aquatic Environment (Chronic)	No available data

Hazard Statement  
Combustible liquid



May be harmful if swallowed

## SAFETY DATA SHEET

# PERMA Flat Emulsion

May be harmful in contact with skin for prolonged or repeat periods  
 May be harmful if swallowed and enters airways  
 May be harmful with prolonged or repeat inhalation  
 Cause mild skin irritation to compromised skin  
 Cause eye irritation  
 May cause damage to skin, eyes, respiratory tract, lungs, liver and CNS through prolonged or repeated exposure due to inappropriate use  
 Harmful to aquatic life

### Symbols



### Signal word

**Danger**

### Precautionary Statement

May be harmful in contact with skin, inhalation, or ingestion.  
 Keep out of reach of children  
 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.  
 4. Avoid breathing dust, mist, 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.

<b>SECTION 3: HAZARDOUS COMPOSITION OF INGREDIENTS AND INFORMATION</b>				
INGREDIENTS NAMES			COMPOSITION % (Wt /Gal.)	
Common Name	Chemical Name	CAS No.	Base	Intermediate
Titanium Dioxide	Titanium Dioxide	13463-67-7	0.03	0.03
Ethylene glycol	1,2-Ethenediol	107-21-1	< 0.01	< 0.01
Quartz, Silica	Quartz, Crystallised Silicon Dioxide	14808-60-7	<0.1	<0.1
Limestone	Calcium Carbonate	1317-65-3	0.01	-
Potassium Tripoly Phosphate		13845-36-8	0.01	0.01
Octoxynol 9	Nonylphenol, branched, ethxylated	68412-54-4	< 0.01	< 0.01
Microbiocide	N/A Microbiocide	Mixture	0.02	0.02
Talc	Magnesium Silicate	14807-96-6 1343-88-0	0.02	-
Silicon Dioxide, Amorphous	Silicon Dioxide, Amorphous	7631-86-9	< 0.01	< 0.01
Pine Oil	Terpene alcohols & hydrocarbons mixture	8002-09-3	< 0.01	-



## SAFETY DATA SHEET

# PERMA Flat Emulsion

### SECTION 4: FIRST-AID MEASURES

**Skin Contact:** If on skin, wash with plenty of water and soap. 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.

**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.

**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.

**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. Dike and collect water used to fight fire.

**Products of Combustion:** Carbon monoxide, and unidentified organic components

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**General Measures:** Comply with all applicable health and environmental regulations. 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.



## SAFETY DATA SHEET

# PERMA Flat Emulsion

Contain and recover liquid when possible.

**Small Spills and Leaks:** Use non-combustible, absorbent material such as dry sand, vermiculite and earth and place into containers to dispose of properly. Do not flush to sewer systems

**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 away from sewers and water courses.

### SECTION 7: HANDLING AND STORAGE

**General Precautions:** Do not use this product other than for the purpose specified by the manufacturer or Supplier.  
Keep out of reach of children.  
Do not expose such containers to heat, sparks, flame or other sources of ignition.  
**N.B.: Keep running water sources on site in cases of emergency and for after work cleaning.**

**Handling:** 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.  
Use non-sparking type tools and equipment including explosion proof ventilation.  
Containers of this material may hazardous when empty due to product residue.  
Do not pressurise, cut, weld, solder, drill or grind.

**Storage:** Smaller quantities should be stored in polypropylene pails or lacquer lined tins if removing from the original containers from manufacturer or supplier.  
Containers should be bonded and grounded for transfers to avoid static sparks.  
Keep containers tightly closed and upright when not in use.  
Empty containers may contain residues.  
Store in a well-ventilated place. Keep cool  
Storage and use areas should be "No Smoking" areas

### 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 <sup>3</sup>	10 mg/m <sup>3</sup>
Ethylene glycol	107-21-1	203-473-3	50 ppm	50 ppm
Quartz, Silica	14808-60-7	238-878-4	0.05 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
Limestone	1317-65-3	215-279-6	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Potassium Tripoly Phosphate	13845-36-8	238-878-4	0.025 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
Octoxynol 9	68412-54-4	500-209-1	Not Available	Not Available
Microbiocide	Mixture	Mixture	Mixture	Mixture
Talc	14807-96-6 1343-88-0	238-877-9	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>



## SAFETY DATA SHEET

# PERMA Flat Emulsion

Silicon Dioxide, Amorphous	7631-86-9	Mixture	Not established	Not established
Pine Oil	8002-09-3	Not available	2 mg/m <sup>3</sup>	Not established
<p><b>Personal Protection Equipment</b></p> <p><b>Skin</b> Impervious clothing should be worn to eliminate possible skin contact and irritation. Such as chemical resistant coveralls or neoprene apron if appropriate. Impervious gloves such as rubber, or nitrile, gloves should be worn.</p> <p><b>Respiratory</b> 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 Dust / Mist prefilters when working for prolonged period in not-well ventilated. Warning: - Air-purifying respirators do not protect worker in oxygen deficient atmospheres.</p> <p><b>Eyes</b> Chemical resistant safety goggles or glasses recommended especially for overhead work. Wear face shield to protect facial skin also. Maintain eyewash and quick drenching facilities in the work area.</p>				

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State and Appearance:</b>	Liquid	<b>Odour:</b>	
<b>pH:</b>	8.9 – 9.4	<b>Colour:</b>	Milky
<b>Soluble / Insoluble:</b>	Insoluble	<b>Viscosity:</b>	89 – 92 KU
<b>Melting / Freezing Point:</b>	Not established	<b>Solubility:</b>	Soluble
<b>Boiling / Condensation Point:</b>	Not established	<b>Autoignition Temperatures:</b>	Not established
<b>Specific Gravity:</b>	0.86 - 11.68 lb/gal	<b>Flash Point:</b>	Not established
<b>Vapour Density:</b>	Not established	<b>Vapour Pressure:</b>	Not established
<b>Evaporation Rate:</b>	Not established		

### SECTION 10: STABILITY AND REACTIVITY

<b>Stability and reactivity:</b>	This product is stable under normal conditions. See Section 5 Fire Fighting Measures.
<b>Conditions to avoid:</b>	Elevated temperatures, contact with sparks, open flame, extremes in temperature.
<b>Materials to avoid:</b>	Strong oxidising agents, strong bases and strong acids. Sulphur compounds

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Possible Effects to Overexposure</b>	<b>Inhalation:-</b>	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 and liver damage.
	<b>Skin contact:-</b>	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.
	<b>Eye contact:-</b>	Irritation of eyes. Prolonged or repeated contact may cause conjunctivitis, tearing of eyes and redness of eyes.
	<b>Ingestion:-</b>	Ingestion may cause dizziness and/or light headedness, headache,



## SAFETY DATA SHEET

# PERMA Flat Emulsion

	vomiting, gastro-intestinal disturbances, severe abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, pulmonary adema, loss of consciousness.
<b>Supplemental Health Information:</b>	Persons with pre-existing skin disorders or eye problems or impaired liver, kidney, blood or respiratory function may be more susceptible to the effects of the substance. 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.
<b>Carcinogenicity</b>	Microbiocides are listed as suspected of causing cancer under EEC. IARC has classified Quartz in its respirable form. Titanium dioxide has been listed by the IARC as a possible carcinogen to humans and sufficient evidence of carcinogenicity in experimental animals.

### SECTION 12: ECOLOGICAL INFORMATION

<b>General Note:</b>	There is no data available on the products but contains an ingredient known to be very toxic to aquatic life and with possible long lasting effects Do not allow undiluted product or large quantities of products to reach ground water, water courses or sewage systems. <u>Talc:</u> 96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static] <u>Titanium Dioxide:</u> LC50 Pimephales promelas (fathead minnow) 96 h > 1,000 mg/l. EC50 Pseudokirchneriella subcapitata (green algae) 72 h 61 mg/l. EC50 Daphnia magna (Water flea) 48 h > 1,000 mg/l <u>Amorphous silica:</u> LC50 Fish (Brachydanio rerio) 96 h ≥ 10 000 mg/l. EC50 Daphnia (Daphnia magna) 24 h ≥ 10 000 mg/l. <u>Octoxynol 9:</u> Toxic to aquatic organisms. LC50 – 96h 7.9 mg/l (Lepomis macrochirus)
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### SECTION 13: DISPOSAL CONSIDERATION

	Dispose of material in accordance with all applicable regulations ensuring no contamination of surrounding environment.
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### SECTION 14: TRANSPORTATION INFORMATION

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.	
<b>UN ID No.:</b>	1263
<b>DOT: Classification:</b>	Not regulated
<b>IATA: Classification:</b>	Passengers: 309 LQ: 60L; Y309 LQ:10 L Cargo: 310 LQ: 220 L

### SECTION 15: REGULATORY INFORMATION

<b>Products</b>	As of the date of this SDS, this product was not being regulated or controlled. It also contains hazardous ingredients below the required reportable limits	
<b>Product Components:</b>		
<b>DSCL (EEC):</b>	Quartz	Listed
	Titanium Dioxide	Listed
	Microbiocide	Listed



# SAFETY DATA SHEET

## PERMA Flat Emulsion

<b>IARC:</b>	Titanium Dioxide Quartz	Group 2B – Possible carcinogen to humans Group 1 – Known carcinogen to humans; see Section 11
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<b>SARA Title III Section 311/312:</b>	Titanium Dioxide Quartz Limestone	Immediate (Acute) Health Hazard Immediate (Acute) Health and Delayed (Chronic) Health Hazards Immediate (Acute) Health
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<b>Section 313:</b>	Ethylene glycol	Listed
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<b>WHMIS:</b>	Titanium Dioxide	Class D, Div 2 Sub Div A: Material causing other toxic effects (VERY TOXIC)
	Quartz	Class D, Div 2 Sub Div A: Material causing other toxic effects (VERY TOXIC)
	Limestone	Class D, Div 2 Sub Div A: Material causing other toxic effects (VERY TOXIC)
	Talc	Class D, Div 2 Sub Div A: Material causing other toxic effects (VERY TOXIC)

<b>DSL:</b>	Titanium Dioxide	Listed
	Talc	Listed (Must be ≤ 2% with foods)
	Quartz	Listed

<b>TSCA:</b>	Titanium Dioxide	Listed
	Talc	Listed
	Quartz	Listed

**SECTION 16: OTHER INFORMATION**

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.