

ACRYLIC TRAFFIC PAINT



SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
Supplier:	Harris Group of Companies Wildey, St. Michael Barbados, BB14006 Tel: (246) 429-4840
Product Code and Name:	Acrylic Traffic Paint White - F230001 Acrylic Traffic Paint Black - F230002 Acrylic Traffic Paint Blue - F230003 Acrylic Traffic Paint Yellow - F230004
Manufacturer:	Harris Paints Barbados (2003) Limited Wildey, St. Michael Barbados
MSDS Prepared For:	Technical Department Harris Paints Barbados (2003) Limited Tel: (246) 429-4840 Fax: (246) 436-9544 E-Mail: technical@harrispaintsonline.com
Product Use:	Traffic Line Marking
Date of Preparation:	January 27, 2010 Revision #: 0

SECTION 2: HAZARDOUS COMPOSITION OF INGREDIENTS AND INFORMATION						
INGREDIENTS NAMES			COMPOSITION % (Wt /Gal.)			
Common Name	Chemical Name	CAS No.	F230001	F230002	F230003	F230004
Titanium Dioxide	Titanium Dioxide	13463-67-7	7.102	0	0	1.495
Ammonia	Ammonia	7664-41-7	2.74	2.74	2.74	2.74
Polypropylene glycol	Polypropylene glycol	25322-69-4	0.653-1.306	0.653-1.306	0.653-1.306	0.687- 1.375
Texanol	Propanic acid, 2,2,4-trimethyl-1,3-pentenediol monoisobutyrate	25265-77-4	1.31	1.31	1.31	1.38
Butyl cellosolve	2- Butoxyethanol	111-76-2	<0.001	<0.001	<0.001	<0.001
Amorphous Silica	Quartz, Crystallized Silicon dioxide	7631-86-9	0.002-0.011	0.002-0.011	0.002-0.011	0.002- 0.011
Ethylene Glycol	1,2-ethanediol	107-21-1	0.022	0.022	0.022	0.023
Phthalocyanate Blue	Copper Phthalocyanine	147-14-8	0	0	2.2	0
Carbon Black	Amorphous Carbon	1333-86-4	0	2.3	0	0

SECTION 3: HAZARDS IDENTIFICATION	
Physical State and Appearance	Liquid (viscous)
Emergency Overview	May aggravate medical conditions of eye, skin and respiratory system.
Primary Routes of Exposure	Inhalation, Skin contact, Eye contact, Ingestion.
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.



Possible Effects to Overexposure cont'd	Skin contact:-	Irritation of skin. Prolonged or repeated contact can cause dermatitis. 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 abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, kidney damage, pulmonary edema, loss of consciousness, acute poisoning, respiratory failure, cardiac failure, brain damage.

SECTION 4: FIRST-AID MEASURES	
Skin Contact:	Flush skin with water. Then wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeat applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use. If irritation occurs, consult a physician.
Inhalation:	Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. 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:	Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.
Ingestion:	Flush out mouth. If swallowed, do not induce vomiting. If victim is conscious give at least 2 glasses of water. Obtain medical treatment immediately.

SECTION 5: FIRE-FIGHTING MEASURES	
Flammability of the product:	Non flammable
Auto-Ignition Temperature:	None
Flash Points:	None
Fire Extinguishing Media:	Dry chemical or foam water fog. Carbon dioxide. In closed tanks, water or foam may cause frothing or eruption.
Products of Combustion:	Carbon monoxide, carbon dioxide, monomer vapours, toxic gases. Propionaldehyde.
Unusual Fire and Explosion Hazards:	Closed containers may explode when exposed to extreme heat or fire.
Explosive Hazard in Presence of Various Substances:	
Special Remarks on Fire Hazards:	Water may be used to cool and protect exposed containers. Fire fighters should use full protective clothing, eye protection and self-contained breathing apparatus. Vapours are heavier than air and may travel long distances to a source of ignition and flash back.
Special Remarks on Explosion Hazards:	Vapours can form explosive mixtures in air at elevated temperatures.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Measures:	Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Spills may be collected with absorbent materials. Evacuate all unnecessary personnel. Place collected material in an appropriate container. Complete personal protective equipment must be used during cleanup.
Small Spills and Leaks:	Use absorbent material to pick up and dispose of properly.
Large Spills and Leaks:	Shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessel. Use absorbent to collect excess residue. Keep salvageable material and rinse water out of sewers and water course.

SECTION 7: HANDLING AND STORAGE

Handling:	Store at a cool, constant temperature. Keep away from heat, sparks and open flames Minimum: 1°C Maximum: 40°C.
Storage containers:	Polypropylene pails or lacquer lined tins.
Other Precautions:	Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes and breathing of vapours. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. 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 Exposure Control/Personal Protection. Empty containers may contain residues.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Common Name	CAS No.	ACGIH-TLV 8-Hour TWA	OSHA-PEL 8-Hour TWA
Texanol	25265-77-4	Not est.	Not est.
Titanium Dioxide	13463-67-7	10 mg/m ³	10 mg/m ³
Amorphous Silica	7631-86-9	10 mg/m ³	6 mg/m ³
Ammonia	7664-41-7	25 ppm	25 ppm
Ethylene Glycol	107-21-1	Not est.	80 mg/m ³
Butyl Cellosolve	111-76-2	20 ppm	240 mg/m ³
Polypropylene glycol	25265-77-4	Not est.	Not est.
Amorphous Carbon	1333-86-4	3.5mg/m ³	3.5mg/m ³
Copper Phthalocyanine	147-14-8	10 mg/m ³	Not Listed

Personal Protection	Skin	Impervious clothing should be worn to eliminate possible skin contact and irritation.
	Hands	Impervious gloves such as neoprene or nitrile rubber gloves should be worn.
	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 or equivalent positive pressure sealing surface face piece respirator outfitted with organic vapour cartridges and paint spray (Dust / Mist) prefilters.

Eyes	Safety goggles or glasses recommended especially for over head work. Face shield could be used to protect facial skin also.
N.B.: Keep running water sources on site in cases of emergency and for after work cleaning.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Physical State and Appearance:	Liquid	Odour:	Moderate
pH:	9- 10	Colour:	White, yellow, blue, black
Soluble / Insoluble:	Soluble in water	Viscosity:	75-80 K.U.
Melting / Freezing Point:	Not available	Solubility:	Not available
Boiling / Condensation Point:	100 – 260.5° C	Critical Temperatures:	Not available
Specific Gravity:	Not available	Volatility:	Not available
Vapour Density:	Not available	Vapour Pressure:	Not available
Evaporation Rate:	Not available		

3,4 – Third and fourth listed bases

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	
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.
Carcinogenicity	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.

SECTION 12: ECOLOGICAL INFORMATION	
General Note:	There is no data available on the product. Do not allow undiluted product or large quantities of products to reach ground water, water courses or sewage systems.

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



SECTION 14: TRANSPORTATION INFORMATION

UN ID No.:	1263 Paints This product is not controlled or regulated under DOT, IATA.
DOT: Classification:	Paint "protect from freezing"
IATA: Classification:	Paint "protect from freezing"

SECTION 15: REGULATORY INFORMATION

Products	As of the date of this MSDS, this product was not being regulated or controlled.	
Product Components:	Texanol – 246-77-9, Titanium dioxide – 236-675-5, Amorphous silica – 231-545-4, Ammonia – 231-635-3, Ethylene glycol – 203-473-3, Butyl cellosolve – 203-905-0, Polypropylene glycol – 200-338-0, Carbon Black - 215-609-9, Copper Phthalocyanine 205-685-1	
EINECS No.:		
DSCL (EEC):	Amorphous silica	Xn, Xi, R20
	Ammonia	R10, R23, R24, R34, R50
	Butyl cellosolve	Xn, R20, R21, R22, R36, R38
	Ethylene glycol	Xn, R22
	Polypropylene glycol	R20, R22
	Titanium Dioxide	Not listed
	Texanol	Not listed
	Amorphous Carbon	Not listed
	Copper	Xi, R36, R38
	Phthalocyanine	
IARC:	Titanium dioxide	Group 2B – Possible carcinogen to humans
	Amorphous Carbon	Group 2B – Possible carcinogen to humans
	Texanol	Not listed
	Amorphous silica	Not listed
	Ethylene glycol	Not listed
	Butyl cellosolve	Not listed
	Ammonia	Not listed
	Polypropylene glycol	Not listed
SARA Title III Section 311/312:	Titanium dioxide	Immediate (Acute) Health and Delayed (Chronic) Health Hazard
	Ammonia	Immediate (Acute) Health and Delayed (Chronic) Health Hazards, Fire, Sudden Release of Pressure and Reactive Hazards
	Ethylene glycol	Not listed
	Amorphous silica	Not listed
	Polypropylene glycol	Not listed
	Butyl cellosolve	Not listed
	Texanol	Not listed
	Amorphous Carbon	Not listed
	Copper	Not Listed
	Phthalocyanine	
Section 313:	Ethylene glycol	Listed
	Ammonia	Listed
	Copper	Listed



	Phthalocyanine			
	Titanium dioxide	Not listed		
	Amorphous silica	Not listed		
	Polypropylene glycol	Not listed		
	Butyl cellosolve	Not listed		
	Texanol	Not listed		
	Amorphous Carbon	Not listed		
WHMIS:	Ethylene glycol	Class D, Div 1, Subdiv B: Material causing immediate and serious toxic effects (TOXIC), Class D, Div 2 Subdiv A: Material causing other effects (TOXIC).		
	Ammonia	Class A: Compressed gas, Class B, Div 1: Flammable and combustible material. Class D, Div 1, Subdiv A: Material causing immediate and serious toxic effects (VERY TOXIC), Class E: Corrosive		
	Butyl cellosolve	Class B, Div 3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).		
	Amorphous Carbon	Class D, Div 2, Subdiv A: Poisonous and infectious material - Other effects - Very toxic. Class D Div 2, Subdiv B - Poisonous and infectious material - Other effects - Toxic		
	Titanium dioxide	Not listed		
	Amorphous silica	Not listed		
	Polypropylene glycol	Not listed		
	Texanol	Not listed		
	Copper	Not listed		
	Phthalocyanine			
DSCL:	Ethylene glycol	R22, S46		
	Texanol	Not listed		
	Titanium dioxide	Not listed		
	Amorphous silica	Not listed		
	Polypropylene glycol	Not listed		
	Butyl cellosolve	Not listed		
	Amorphous Carbon	Not listed		
	Copper	S26, S28A, S37, S39, S45		
	Phthalocyanine			
TSCA:	Ethylene glycol	Not listed		
	Titanium dioxide	Listed		
	Texanol	Listed		
	Ammonia	Listed		
	Amorphous silica	Listed		
	Polypropylene glycol	Listed		
	Butyl cellosolve	Listed		
	Amorphous Carbon	Listed		
	Copper	Listed		
	Phthalocyanine			
ATSDR:	Ammonia	Inhalation :-	Acute	1.7 ppm
			Chronic	0.1 ppm
		Oral :-		0.3 mg/kg/day



Ethylene Glycol	Inhalation :- Acute	2mg/m ³
	Oral :- Acute	0.8 mg/kg/day
Butyl Cellosolve	Inhalation :- Acute	6ppm
	Chronic	0.2ppm
Titanium dioxide	Not listed	
Texanol	Not listed	
Amorphous silica	Not listed	
Polypropylene glycol	Not listed	
Amorphous Carbon	Not listed	
Copper	Not listed	
Phthalocyanine		

SECTION 16: OTHER INFORMATION

Risk Phrases used in Section 15 above

- R10: Flammable
- R20: Harmful by inhalation
- R21: Harmful if in contact with skin
- R22: Harmful if swallowed;
- R23: Toxic by inhalation
- R24: Toxic in contact with skin
- R34: Causes burns
- R36: Irritating to eyes
- R38: Irritating to skin
- R50: Very toxic to aquatic organisms

Safety Phrases used in Section 15 above

- S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S 28A: After contact with skin, wash immediately with plenty of water.
- S 37: Wear suitable gloves.
- S 37/39: Wear suitable gloves and eye/face protection.
- S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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.

This MSDS complies with general MSDS requirements for Canada, the USA and the European Union and fulfils the ISO standards for format and content.