

PAINTCOR

SUPREME QUALITY *From 2086*

HiGlo

Safety Data Sheet

Paintcor cc

P. O. Box 917
Northriding
2162
Tel: (011) 794-2885
Fax: (011) 794-6955

1494 Mailship Street
Laser Park
Honeydew, RSA, 2040
Email: sales@paintcor.co.za
Emergency: (+27) 079 526 1565
(+27) 084 305 5636

1. Product Identification

Product Name HI GLO
Product Code HIG
CAS Name and Number Not available (mixture)
Product Description Alkyd based long oil decorative enamel paint for use on metals, wood and masonry, etc.

2. Hazardous Identification

SAPMA Health Hazard Rating 2 Moderate - Minor residual effects could result from accidental exposure if no treatment is applied.

Main Hazard Harmful, flammable.
Flammability Flammable
Chemical Hazard Aliphatic solvents. Keep away from sources of ignition.
Health Effects
Eyes: Can cause burning / irritation redness and pain if splashed in eyes.
Skin: May irritate skin (degrease) with prolonged contact and may lead to dermatitis.
Ingestion: Harmful. May cause nausea and diarrhoea and damage to the mucous membrane, sore throat, abdominal pains and laboured breathing. May be fatal if swallowed.
Inhalation: Adverse health effects from vapours or spray mist in poorly ventilated areas may induce irritation of the nose, throat and respiratory tract. Irritation may cause sore throats, coughing, headaches, dizziness, nausea and loss of consciousness.



3. Composition / Information on Ingredients

This product is a chemical preparation of a long oil alkyd incorporating inert fillers and pigments in a petroleum distillate mainly of an aliphatic solvent.

Hazard Components	CAS #	Symbols	Risk Phrases	Safety Phrases	% by WT
Alkyd resin			R22		> 35
Mineral spirits	064742-88-7	Xi	R10,R65,R66	S24/25,S37	> 20
High Aromatics	064742-94-5	Xi	R10,R65,R66	S24/25,S37	< 7
Xylene, mixed isomers	001330-20-7	Xn	R10,R20/21,R38	S24/25,S37	< 10

Note to a physician Material if aspirated into lungs may cause chemical pneumonitis. Treat appropriately.



4. First Aid Measures

Product In Eyes: Check for and remove contact lenses. Flush open eyes with water for 15 minutes. Call a physician if necessary.
 Inhalation: Remove to fresh air and if needed give artificial respiration of oxygen.
 On Skin: Remove contaminated clothing. Wash skin with soap and water. Call a physician if irritation persists. Use hand cream.
 Ingestion: Do not induce vomiting. Give water to drink. If necessary seek medical attention.

Note to a physician Material if aspirated into lungs may cause chemical pneumonitis. Treat appropriately.

5. Fire Fighting Measures

Extinguishing Media Carbon dioxide. Dry powders. Alcohol resistant foam. Do not use water jets.
Specific Hazards Paint films are capable of burning, giving off oxides of carbon and or nitrogen.
Protective clothing Use numeral fire fighting equipment and self contained breathing apparatus.

6. Accidental Release Measures

Personal precautions Eliminate sources of ignition. Wear suitable protective clothing, gloves and eye / face protection. Ensure adequate ventilation ensuring that the OEL is not exceeded or use respiratory protection. Prevent skin and eye contact.
Environmental precautions Prevent from getting into drain, sewer and waterways.
 Small spills: Mop up with sand, earth or approved absorbent inert materials and transfer to suitable containers.
 Large spills: Eliminate all ignition sources. Contain spill by dicing edges with sand, earth or suitable absorbent inert materials (vermiculite). Transfer liquid to suitable container, using spark proof equipment. Keep all spills out of surge lakes, aquifers and any other running water supply. Dispose of in agreement with local regulations.

7. Handling and Storage

Handling precautions Ensure storage vessels and transfer equipment are earthed. Naked flames and other sources of ignition must not be present. Handle in well ventilated areas. Wear suitable PPE. Avoid contact with skin and eyes.
Storage precautions Store at ambient temperatures in well ventilated area and prevent any contact from any source of ignition. Keep separate from oxidizers. Keep lids tightly sealed when not in use.
Suitable packaging material Suitable materials for storage are mild steel, stainless steel and aluminium containers. Plastics and rubber are not recommended, although some polyolefin's can be used for small quantities.

8. Exposure Controls / Personal Protection

SAPMA Rating 2-H-E Hands, Eyes and Respirator
 Engineering control measures No open flames. No smoking. No sparks. Ensure adequate ventilation. If in enclosed area wear NIC approved respirator. Wear appropriate PPE when handling.

Occupational exposure limits

CAS no:	Substance	OEL mg /m ³	ppm	STEL mg / m ³	ppm	TLV
001330-20-7	Xylene, mixed isomers	434	100	650	150	
064742-94-5	Solv naphtha, heavy aromatic	300	50	525	100	100ppm

Personal protection
 Respirator: Use in enclosed areas and must be approved for organic vapours. Normal working conditions should have adequate ventilation.
 Hands: Use barrier cream and wear butyl rubber, PVC, nitrile or other suitable gloves.
 Eyes: Use face shield or goggles / safety glasses with side protection.
 Skin/Body: Use overalls / suitable protective clothing and safety shoes.
 Remove contaminated clothing to avoid skin contact.

Other protection Wash hands before eating and smoking.



9. Physical and chemical properties

Appearance	Milky to white in its standard mixture. Any colour when tinted.
Odour	Characteristic solvent odour i.e. white spirits.
Solubility in water	Insoluble
Solubility in solvent	Soluble in aliphatic and most aromatic solvents.
Density	0.900 - 1200 g/l
Flammability	Flammable
Boiling point	Not determined
Flash point	Not determined
Melting point	Not determined
Flash point	Not less than 41°C
Explosive properties	Not explosive
Oxidising properties	Non oxidising
Vapour pressure	Not determined
Decomposition temp	Not determined
Auto ignition temp	Not determined
Viscosity	120 - 130 seconds Ford 4 cup

10. Stability and reactivity

Stability	Stable at ambient temperature.
Conditions to avoid	Exposure to high temperatures or open flames.
Materials to avoid	Strong oxidising agents.
Hazardous decomposition of by-products	Burning will produce dense, acid smoke containing carbon dioxide, carbon monoxide and other noxious fumes.
Hazardous polymerisation	Will not occur.



PAINTCOR

MANUFACTURERS

11. Toxicological Information

Acute toxicity	Substance	LD50(0) mg / kg	LD50(D) mg / kg	LC50 ml / m3
CAS no:				
0011330-20-7	Xylene, mixed isomers	4300	5000	23506
064742-88-7	Mineral spirits			
064742-94-5	Solv naphtha, heavy aromatic	>200< = 2 000	>2 000	>2< = 5

Local effects	Eyes:	Burning / irritation, if splashed in eyes.
	Skin:	Frequent or prolonged contact may irritate and cause dermatitis. May be absorbed with possible systemic effects.
	Ingestion:	Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchi pneumonia or pulmonary oedema. Low level of toxicity.
	Inhalation:	High vapour irritates the eyes and the respiratory tract, causing headaches, dizziness, nausea, vertigo and unconsciousness and may have other nervous effects. Deliberate inhalation, even for short periods, can cause unconsciousness and / or sudden fatality.

Chronic toxicity	None known
Carcinogenicity	No evidence of carcinogenic effect
Mutagenicity	No evidence of mutagenic effect.
Neuro-toxicity	Xylene is a narcotic and may cause dizziness, nausea, loss of concentration and ultimately loss of consciousness. Mineral spirits is a narcotic and may cause dizziness, nausea, loss of concentration and ultimately loss of consciousness. Solv naphtha, heavy aromatic, is a narcotic and may cause dizziness, nausea, loss of concentration and ultimately loss of consciousness.

Reproductive hazards	No evidence of reproductive hazards.
----------------------	--------------------------------------

12. Ecological information

Mobility	Viscous liquid
Biodegradability	Resin solids slowly biodegradable. Solvent vaporises.
Bioaccumulation	Solvent can bio-accumulate but with short retention time.
Aquatic toxicity	Resin solids have lower order of toxicity. Solvent is moderately toxic to aquatic life.

13. Disposal consideration

Waste disposal	Liquid surplus or waste should be appropriately labelled. Disposal must be in accordance with current national and local regulations. Appropriate disposal is by incineration. Solidified wastes must be land filled in an appropriate H:H or H:h landfill site, but authorization from appropriate sources should be sought.
Packaging disposal	Empty drums should be sent for reconditioning or scrap by a recognised drum reconditioner, appropriately labelled in accordance with national and local regulations. Empty containers pose a fire hazard. Hazard labels should not be removed. Incinerate or treat as for disposal of waste.

14. Transport Information

U.N. No.	1307 / 1268
Substance Identity No.	None
Classification	Flammable
Hazardous warning	UN Packaging group: III
	Class: 3
	Subsidiary risk:





PAINTCOR

MANUFACTURERS

15. Regulatory Information

Symbols:	N:	Harmful to environment.
	Xn:	Harmful
	Xi:	Irritant
Hazard Symbols:	Flammable class 3	
EC label:	Toluene, 203-625-9	
	Xylene, mixed isomers, 215-535-7	
Risk phrases:	R10:	Flammable
	R20/21:	Harmful by inhalation and contact with skin.
	R22:	Harmful if swallowed.
	R36/38:	Irritating to eyes and skin.
	R65:	Harmful, may cause lung damage if swallowed.
	R66:	Repeated exposure may cause skin dryness or cracking.
Safety phrases:	S2:	Keep out of reach of children
	S16:	Keep away from sources of ignition – No smoking
	S24/25:	Avoid contact with skin and eyes.
	S26:	In case of eye contact, rinse immediately with plenty of water and seek medical advise.
	S29:	Do not empty into drains.
	S36/37/39:	Wear suitable protective clothing, gloves and eye / face protection.
	S38:	In case of insufficient ventilation, wear suitable respiratory equipment.
National / Local regulations:	Refer to Occupational Health and Safety Act (1993). Hazardous Chemical Substance Regulation and General Administrative Regulations.	



16. Other information

Date of Issue: June 2007
Date of last revision: January 2014
Revision No.: 3

Note: The data and recommendations contained herein are based upon data that is considered to be accurate, however, Paintcor cc makes no warranty or guarantee, either expressed or implied, of the accuracy or completeness of this data and recommendations. Paintcor cc advises the user of the product to make their own determinations as to the information suitability and completeness for the particular application.

Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists.
OSHA: Occupational Safety and Health Administration
NIOSH: National Institute for Occupational Safety and Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
TWA: Time Weighted Average
STEL: Short Term Exposure Limit
PPE: Personal Protective Equipment.
OEL: Occupational Exposure Limits