

PAINTCOR

SUPREME QUALITY *From 2086*

ENDURACOAT

Safety Data Sheet

Paintcor cc

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1. Product Identification

Product Name	ENDURACOAT
Product Code	END
CAS Name and Number	Not available (mixture)
Product Description	Non drip long oil thixotropic urethenated alkyd 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, thixotropic and urethenated alkyds incorporating inert fillers and pigments in a petroleum distillate mainly of a aliphoric solvent

Hazard Components	CAS #	Symbols	Risk phrases	Safety phrases	% by WT
Alkyd resin			R22		>34%
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%



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4. First Aid Measures

Product	In Eyes - 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.
	Ingestion - Do not induce vomiting. Give water to drink. If necessary seek medical attention.
Note to Physicians	Material if aspirated into lungs may cause chemical phenomena 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 large quantities getting into waterways. Small spills: Mop up with sand and earth or approved absorbent inert materials and collect using a suitable container. Large spills: Contain spill by dicing edges with absorbent inert materials. Transfer liquid to container. 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.
Storage precautions	Store at ambient temperatures, in well ventilated areas and prevent any contact from any source of ignition. Keep separated from oxidizers. Keep lids tightly sealed when not in use.
Suitable packaging material	Suitable materials for storage are mild steel, stainless steel and aluminium, 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.

Occupational exposure limits	8 hrs TWA: 100ppm
	10 min STEL: 150ppm

CAS #	Substance	OEL mg/m ³	ppm	STEL mg/ m ³	ppm
001330-20-7	Xylene, mixed isomers	434	100	650	150
064742-94-5	Solv, naphtha, heavy aromatic	300	50	525	100

Personal protection	Respirator: Use in enclosed areas must be approved for organic vapour. Normal working conditions should have adequate ventilation. Hands: No protection required for normal use. PVC gloves. Eyes: Not required for normal use. Safety goggles. Skin/Body: Use overalls and safety shoes.
Other protection	Wash hands before eating and smoking.





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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:	1.150 to 1.260 g/l
Flammability:	Flammable
Boiling point:	Not determined
Melting point:	Not determined
Flash point:	Not less than 41°C
Explosive properties:	Non-explosive
Oxidising properties:	Non-oxidising
Vapour pressure:	Not determined
Decomposition temp:	Not determined
Auto ignition temp:	Not determined
Viscosity:	Gel structure

10. Stability and reactivity

Stability	Stable at ambient temperature.
Conditions to avoid	Exposure to air will form skins on top of liquid.
Materials to avoid	Organic solvents, acid, alkali.
Hazardous decomposition	None under normal use. Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous polymerisation	Will not occur.

11. Toxicological Information

Acute toxicity	CAS #	Substance	LD50(O)mg/kg	LD50(D)mg/kg	LC50ml/m ³
	001330-20-7	Xylene, mixed isomers	4 300	5 000	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: Irritation / drying with prolonged contact. Ingestion: Nausea, diarrhoea and mucous damage may occur. Inhalation: Light headaches and possible irritation to the mucous membranes.
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:	None known.

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. Solid wastes must be landfilled at an appropriate H:H or H:L landfill site.
Packaging disposal	Empty drums should be sent for reconditioning or scrapped by a recognised drum reconditioner, appropriately labelled and in accordance with National and Local Regulations. Empty containers pose a fire hazard. Hazard labels should be removed. Incinerate or treat as for waste disposal.

14. Transport Information

U.N. No. 1866
Substance Identity no: None
Classification: Flammable
Hazardous warning: UN Packaging group: III
Class: 3.3
Subsidiary risk:



15. Regulatory Information

Symbols: N: Harmful to the 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.
R38: Irritating to 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
S24/25: Avoid contact with skin and eyes.
S33/37: Wear suitable protective clothing and gloves.

National / Local regulations: Refer to Occupational Health and Safety Act (1993),
Hazardous Chemical Substances Regulations and General
Administrative Regulations.



16. Other information

Date of Issue: June 2007
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Revision No. 4

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.



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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