



# MATERIAL SAFETY DATA SHEET

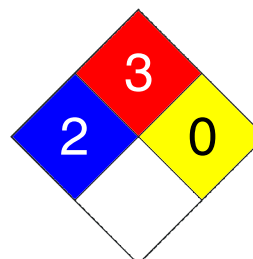
## 1. Product and Company Identification

**Product Name** DYN Touch Up Enamel  
**Synonym(s)** Antique White - AC010520  
Pearl Grey - AC010518  
Lead Free Chamois - AC010517  
Lemon Yellow - AC010515  
Emerald Green - AC010513  
Thalo Blue - AC010511  
Real Red - AC010510  
Orange - AC010508  
Chocolate Brown - AC010507  
Gloss Black/Flat Black - AC010504/AC010505  
Flat White - AC010502  
Gloss White - AC010501

**CAS #** Mixture  
**Product Use** Coating  
**Manufacturer** Dynamic Paint Products Inc.  
7040 Financial Drive  
Mississauga, ON L5N 7H5 CA  
Phone: 1-905-812-9319  
Emergency Phone: 1-613-996-6666 (CANUTEC)

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	* 2
Flammability	3
Physical Hazard	0
Personal Protection	B



## 2. Hazards Identification

**Emergency Overview** DANGER  
Flammable liquid - may release vapours that form flammable mixtures at or above the flash point. Containers may explode when heated.  
EYE AND SKIN IRRITANT.  
May cause chronic toxic effects.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

**Eyes** May cause irritation.

**Skin** May cause irritation.

**Inhalation** Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

**Ingestion** Harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Target organs** Blood. Eyes. Kidney. Liver. Respiratory system. Skin.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
P-Xylene *	106-42-3	0.5 - 1.5
O-Xylene *	95-47-6	0.5 - 1.5
Ethylbenzene *	100-41-4	1 - 5
Carbon black *	1333-86-4	1 - 5
Ligroine *	8032-32-4	3 - 7
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	30 - 60
M-Xylene *	108-38-3	7 - 13
<b>Composition comments</b>	* May contain this chemical	

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Skin contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

#### Notes to physician

Symptoms may be delayed.

#### General advice

Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

### 5. Fire-fighting Measures

<b>Flammable properties</b>	Flammable by WHMIS criteria. Vapours may travel to a source of ignition and flash back. Containers may explode when heated.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical. Alcohol foam. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

### 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**

Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

## 7. Handling and Storage

<b>Handling</b>	Use good industrial hygiene practices in handling this material. Avoid breathing vapours or mists of this product.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials. Keep away from heat, open flames or other sources of ignition.

## 8. Exposure Controls / Personal Protection

**Exposure limit values**

Ingredient(s)	Exposure limit values
Carbon black	<b>ACGIH-TLV</b> TWA: 3.5 mg/m <sup>3</sup>
Ethylbenzene	<b>ACGIH-TLV</b> TWA: 100 ppm STEL: 125 ppm
Ligroine	<b>ACGIH-TLV</b> TWA: 300 ppm
M-Xylene	<b>ACGIH-TLV</b> TWA: 100 ppm STEL: 150 ppm
O-Xylene	<b>ACGIH-TLV</b> TWA: 100 ppm STEL: 150 ppm
P-Xylene	<b>ACGIH-TLV</b> TWA: 100 ppm STEL: 150 ppm
Solvent naphtha (petroleum), medium aliphatic	<b>ACGIH-TLV</b> Not established

<b>Engineering controls</b>	Use only under good ventilation conditions or with respiratory protection.
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	Wear safety glasses with side shields.
<b>Hand protection</b>	Rubber gloves. Confirm with a reputable supplier first.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Opaque.
<b>Colour</b>	characteristic
<b>Form</b>	Liquid
<b>Odour</b>	Solvent
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Liquid

<b>pH</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	116 - 155 °C (240.80 - 311.00 °F)
<b>Pour point</b>	Not available
<b>Flash point</b>	7 - 42 °C (44.60 - 107.60 °F)
<b>Evaporation Rate</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Vapour density</b>	Not available
<b>Specific gravity</b>	Not available
<b>Octanol/water coefficient</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Percent volatile</b>	62 - 67

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Avoid high temperatures. Do not mix with other chemicals.
<b>Incompatible materials</b>	Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Carbon black	Not available
Ethylbenzene	17.2 mg/l/4h rat
Ligroine	3400 mg/l/4h rat
M-Xylene	6451 ppm mouse; 5000 mg/l/4h rat
O-Xylene	2180 ppm rat; 5000 mg/l/4h rat
P-Xylene	4800 ppm mouse; 4550 ppm rat; 4550 mg/l/4h rat
Solvent naphtha (petroleum), medium aliphatic	> 5500 mg/m <sup>3</sup> rat; 5.2801 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Carbon black	8000 mg/kg rat
Ethylbenzene	3500 mg/kg rat
Ligroine	6000 mg/kg rat
M-Xylene	4300 mg/kg rat
O-Xylene	3608 mg/kg rat
P-Xylene	4030 mg/kg rat
Solvent naphtha (petroleum), medium aliphatic	> 8000 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	May cause irritation.
<b>Skin</b>	May cause irritation.
<b>Inhalation</b>	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
<b>Ingestion</b>	Harmful if swallowed. May cause stomach distress, nausea or vomiting.

<b>Sensitisation</b>	Non-hazardous by WHMIS criteria.	
<b>Chronic effects</b>	Significant lung effects have been observed in animals following exposure to airborne concentrations of Carbon Black of less than 100 mg/m3.	
<b>Carcinogenicity</b>	May contain potential carcinogens.	
<b>ACGIH - Threshold Limit Values - Carcinogens</b>		
Carbon black	1333-86-4	A4 - Not Classifiable as a Human Carcinogen
Ethylbenzene	100-41-4	A3 - Confirmed animal carcinogen with unknown relevance to humans.
Ligroine	8032-32-4	A3 - Confirmed animal carcinogen with unknown relevance to humans.
M-Xylene	108-38-3	A4 - Not Classifiable as a Human Carcinogen
O-Xylene	95-47-6	A4 - Not Classifiable as a Human Carcinogen
P-Xylene	106-42-3	A4 - Not Classifiable as a Human Carcinogen
<b>IARC - Group 2B (Possibly Carcinogenic to Humans)</b>		
Carbon black	1333-86-4	Monograph 93 [in preparation], Monograph 65 [1996]
Ethylbenzene	100-41-4	Monograph 77 [2000]
<b>IARC - Group 3 (Not Classifiable)</b>		
M-Xylene	108-38-3	Monograph 71 [1999] (listed under Xylenes)
O-Xylene	95-47-6	Monograph 71 [1999] (listed under Xylenes)
P-Xylene	106-42-3	Monograph 71 [1999] (listed under Xylenes)
<b>U.S. - California - Proposition 65 - Carcinogens List</b>		
Carbon black	1333-86-4	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
Ethylbenzene	100-41-4	carcinogen, initial date 6/11/04
<b>Mutagenicity</b>	May contain a potential mutagen	
<b>Reproductive effects</b>	Non-hazardous by WHMIS criteria.	
<b>Teratogenicity</b>	May contain potential teratogens.	
<b>Synergistic Materials</b>	Not available	

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## 12. Ecological Information

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**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

### Ecotoxicity - Freshwater Algae Data

Ethylbenzene	100-41-4	72 Hr EC50 Selenastrum capricornutum: 4.6 mg/L; 96 Hr EC50 Selenastrum capricornutum: >438 mg/L
Ligroine	8032-32-4	72 Hr EC50 Selenastrum capricornutum: 4700 mg/L
M-Xylene	108-38-3	72 Hr EC50 Selenastrum capricornutum: 4.9 mg/L
O-Xylene	95-47-6	192 Hr EC50 Selenastrum capricornutum: 4.2 mg/L
P-Xylene	106-42-3	3 Hr EC50 Chlorella vulgaris: 105.1 mg/L
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	96 Hr EC50 Selenastrum capricornutum: 450 mg/L

### Ecotoxicity - Freshwater Fish Species Data

Ethylbenzene	100-41-4	96 Hr LC50 Oncorhynchus mykiss: 11.0-18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55-11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1-15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static]
M-Xylene	108-38-3	96 Hr LC50 Pimephales promelas: 14.3-18 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 8.4 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 12.9 mg/L [semi-static]
O-Xylene	95-47-6	96 Hr LC50 Pimephales promelas: 11.6-22.4 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 11.6-22.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 5.59-11.6 mg/L [flow-through]; 96 Hr LC50 Poecilia reticulata: 12 mg/L
P-Xylene	106-42-3	96 Hr LC50 Pimephales promelas: 7.2-9.9 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 2.6 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 2.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 8.8 mg/L [semi-static]
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	96 Hr LC50 Pimephales promelas: 800 mg/L [static]

### Ecotoxicity - Microtox Data

Ethylbenzene	100-41-4	30 min EC50 Photobacterium phosphoreum: 9.68 mg/L; 24 Hr EC50 Nitrosomonas: 96 mg/L
M-Xylene	108-38-3	24 hr EC50 Photobacterium phosphoreum: 0.0084 mg/L
O-Xylene	95-47-6	24 hr EC50 Photobacterium phosphoreum: 0.0084 mg/L
P-Xylene	106-42-3	30 min EC50 Photobacterium phosphoreum: 5.7 mg/L

### Ecotoxicity - Water Flea Data

Carbon black	1333-86-4	24 Hr EC50 Daphnia magna: >5600 mg/L
Ethylbenzene	100-41-4	48 Hr EC50 Daphnia magna: 1.8-2.4 mg/L
M-Xylene	108-38-3	48 Hr EC50 water flea: 6.2 mg/L [Static] (4-6 days old)
O-Xylene	95-47-6	48 Hr EC50 Daphnia magna: 3.2 mg/L
P-Xylene	106-42-3	48 Hr EC50 water flea: 4.7 mg/L [Static]
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	48 Hr EC50 Daphnia magna: >100 mg/L

<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Persistence and degradability</b>	Not available
<b>Bioaccumulation/accumulation</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Chemical fate information</b>	Not available
<b>Other adverse effects</b>	Not available

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## 13. Disposal Considerations

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<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	Review federal, provincial, and local government requirements prior to disposal.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

## 14. Transport Information

### Transportation of Dangerous Goods (TDG - Canada)

**Basic shipping requirements:**

**Proper shipping name** PAINT  
**Hazard class** 3  
**UN number** UN1263  
**Packing group** III  
**Additional information:**  
**Special provisions** 59



## 15. Regulatory Information

**Canadian federal regulations**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Canada - CEPA - High Priority Chemicals as Identified by DSL Categorization**

Carbon black 1333-86-4 Challenge Substance

**Canada - WHMIS - Ingredient Disclosure List**

Carbon black	1333-86-4	1 %
Ethylbenzene	100-41-4	0.1 %
Ligroine	8032-32-4	1 %
M-Xylene	108-38-3	1 %
O-Xylene	95-47-6	1 %
P-Xylene	106-42-3	0.1 %

**WHMIS classification**

Class B - Division 2 - Flammable Liquid, Class D - Division 2A, 2B

**WHMIS status**

Controlled

**WHMIS labeling****Inventory Status**

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Prepared by**

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**Other Information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.