



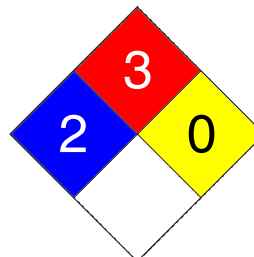
MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Porcelain Repair: White - PA40FP88, Almond - PA40FP89, Grey - PA40FP90
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.
MAY CAUSE EYE AND SKIN IRRITATION.
Contains potential teratogens.

Potential short term health effects

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

Eyes May cause irritation.

Skin May cause irritation.

Inhalation May cause respiratory tract irritation.

Ingestion 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
Xylene	1330-20-7	1 - 5
Solvent naphtha (petroleum), light aromatic	64742-95-6	10 - 30
1,2,4-Trimethylbenzene	95-63-6	10 - 30
Toluene	108-88-3	5 - 10

4. First Aid Measures

First aid procedures

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	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

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

6. Accidental Release Measures

Personal precautions	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.
Methods for containment	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

Handling	Use according to package label instructions.
Storage	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
1,2,4-Trimethylbenzene	ACGIH-TLV TWA: 25 ppm
Solvent naphtha (petroleum), light aromatic	ACGIH-TLV Not established
Toluene	ACGIH-TLV TWA: 20 ppm Skin: 50 ppm
Xylene	ACGIH-TLV TWA: 100 ppm STEL: 150 ppm

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields.

Hand protection

Rubber gloves. Confirm with a reputable supplier first.

Skin and body protection

As required by employer code.

Respiratory protection

Not normally required if good ventilation is maintained.

General hygiene considerations

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

Appearance	Opaque.
Colour	Varies
Form	Liquid
Odour	Strong Hydrocarbon
Odour threshold	Not available
Physical state	Liquid
pH	Not available
Freezing point	Not available
Boiling point	110 °C (230.00 °F)
Pour point	Not available
Flash point	7.2 °C (44.96 °F) TCC
Evaporation Rate	> 1 (Ether = 1)
Flammability limits in air, lower, % by volume	1
Flammability Limits in Air, Upper, % by Volume	12.6
Vapour pressure	Not available
Vapour density	> 1 (Air = 1)
Specific gravity	1.15 (H ₂ O = 1)
Octanol/water coefficient	Not available
Solubility (H ₂ O)	Insoluble
Auto-ignition temperature	Not available
VOC (Weight %)	45 - 55
Viscosity	Slightly viscous

10. Stability and Reactivity

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

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
1,2,4-Trimethylbenzene	3661 ppm rat; 3661 mg/l/4h rat
Solvent naphtha (petroleum), light aromatic	5.2 mg/l/4h rat
Toluene	12.5 mg/l/4h rat
Xylene	5000 mg/l/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
1,2,4-Trimethylbenzene	3280 mg/kg rat
Solvent naphtha (petroleum), light aromatic	4700 mg/kg rat
Toluene	636 mg/kg rat
Xylene	4300 mg/kg rat

Effects of acute exposure

Eye	May cause irritation.
Skin	May cause irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	May cause stomach distress, nausea or vomiting.

Sensitisation Non-hazardous by WHMIS criteria.

Chronic effects Non-hazardous by WHMIS criteria.

Carcinogenicity See below.

ACGIH - Threshold Limit Values - Carcinogens

Toluene	108-88-3	A4 - Not Classifiable as a Human Carcinogen
Xylene	1330-20-7	A4 - Not Classifiable as a Human Carcinogen

IARC - Group 3 (Not Classifiable)

Toluene	108-88-3	Monograph 71 [1999], Monograph 47 [1989]
Xylene	1330-20-7	Monograph 71 [1999], Monograph 47 [1989]

Mutagenicity Non-hazardous by WHMIS criteria.

Reproductive effects Non-hazardous by WHMIS criteria.

Teratogenicity Contains potential teratogens. Toluene (benzene, methyl-) has caused fetotoxicity (reduced fetal weight), behavioural effects (effects on learning and memory) and hearing loss (in males). These effects have been observed in the offspring of rats exposed by inhalation to 1200 or 1800 ppm toluene. These effects were observed in the absence of maternal toxicity.

Synergistic Materials Not available

12. Ecological Information

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

Ecotoxicity - Freshwater Algae Data

Toluene 108-88-3 96 Hr EC50 *Selenastrum capricornutum*: >433 mg/L

Ecotoxicity - Freshwater Fish Species Data

1,2,4-Trimethylbenzene 95-63-6 96 Hr LC50 *Pimephales promelas*: 7.19-8.28 mg/L [flow-through]

Solvent naphtha (petroleum), light aromatic 64742-95-6 96 Hr LC50 *Oncorhynchus mykiss*: 9.22 mg/L

Toluene 108-88-3 96 Hr LC50 *Pimephales promelas*: 15.22-19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 *Pimephales promelas*: 12.6 mg/L [static]; 96 Hr LC50 *Oncorhynchus mykiss*: 5.89-7.81 mg/L [flow-through]; 96 Hr LC50 *Oncorhynchus mykiss*: 14.1-17.16 mg/L [static]; 96 Hr LC50 *Oncorhynchus mykiss*: 5.8 mg/L [semi-static]; 96 Hr LC50 *Lepomis macrochirus*: 11.0-15.0 mg/L [static]; 96 Hr LC50 *Oryzias latipes*: 54 mg/L [static]; 96 Hr LC50 *Poecilia reticulata*: 28.2 mg/L [semi-static]; 96 Hr LC50 *Poecilia reticulata*: 50.87-70.

Xylene 1330-20-7 96 Hr LC50 *Pimephales promelas*: 13.4 mg/L [flow-through]; 96 Hr LC50 *Oncorhynchus mykiss*: 2.661-4.093 mg/L [static]; 96 Hr LC50 *Oncorhynchus mykiss*: 13.5-17.3 mg/L; 96 Hr LC50 *Lepomis macrochirus*: 13.1-16.5 mg/L [flow-through]; 96 Hr LC50 *Lepomis macrochirus*: 19 mg/L; 96 Hr LC50 *Lepomis macrochirus*: 7.711-9.591 mg/L [static]; 96 Hr LC50 *Pimephales promelas*: 23.53-29.97 mg/L [static]; 96 Hr LC50 *Cyprinus carpio*: 780 mg/L [semi-static]; 96 Hr LC50 *Cyprinus carpio*: >780 mg/L; 96 Hr LC50 *Poecilia reticulata*: 30.26-40.

Ecotoxicity - Microtox Data

Toluene 108-88-3 30 min EC50 *Photobacterium phosphoreum*: 19.7 mg/L

Xylene 1330-20-7 24 hr EC50 *Photobacterium phosphoreum*: 0.0084 mg/L

Ecotoxicity - Water Flea Data

1,2,4-Trimethylbenzene 95-63-6 48 Hr EC50 *Daphnia magna*: 6.14 mg/L

Solvent naphtha (petroleum), light aromatic 64742-95-6 48 Hr EC50 *Daphnia magna*: 6.14 mg/L

Toluene 108-88-3 48 Hr EC50 water flea: 11.3 mg/L; 48 Hr EC50 water flea: 310 mg/L; 48 Hr EC50 *Daphnia magna*: 11.3 mg/L

Xylene 1330-20-7 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 *Gammarus lacustris*: 0.6 mg/L

Environmental effects Harmful to aquatic life.

Aquatic toxicity Not available

Persistence and degradability Not available

Bioaccumulation/accumulation Not available

Partition coefficient Not available

Mobility in environmental media Not available

Chemical fate information Not available

Other adverse effects Not available

13. Disposal Considerations

Waste codes Not available

Disposal instructions Review federal, provincial, and local government requirements prior to disposal.

Waste from residues / unused products Not available

Contaminated packaging Not available

14. Transport Information

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

Proper shipping name PAINT
Hazard class 3
UN number 1263
Packing group II
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 - WHMIS - Ingredient Disclosure List

1,2,4-Trimethylbenzene	95-63-6	0.1 %
Toluene	108-88-3	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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Other Information

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