



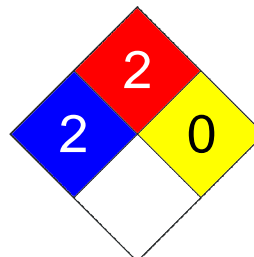
MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name DYNAFLO Oil Extender - AZ371200
CAS # Mixture
Product Use Slow Evaporating Reducer
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	2
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency Overview WARNING
Combustible liquid. Keep away from heat and flame.
Eye and skin irritant. May cause sensitisation by skin contact. Contains material which may cause cancer.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.
Eyes May cause irritation.
Skin Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals. May be absorbed through the skin.

ACGIH - Threshold Limit Values - Skin Notations

Naphthalene 91-20-3 Skin - potential significant contribution to overall exposure by the cutaneous route

Inhalation Harmful if inhaled. May cause respiratory tract irritation.

Ingestion May cause stomach distress, nausea or vomiting. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

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
Naphthalene	91-20-3	1 - 5
1,2,4-Trimethylbenzene	95-63-6	1 - 5
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	15 - 40
Stoddard solvent	8052-41-3	40 - 70

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. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. 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	Combustible by WHMIS criteria.
Extinguishing media	
Suitable extinguishing media	Carbon dioxide. Alcohol foam. Dry chemical.
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 good industrial hygiene practices in handling this material.
Storage	Keep out of reach of children. Do not store at temperatures above 49°C (120.2°F). Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limit values

Ingredient(s)	Exposure limit values
1,2,4-Trimethylbenzene	ACGIH-TLV TWA: 25 ppm
Naphthalene	ACGIH-TLV TWA: 10 ppm STEL: 15 ppm
Solvent naphtha (petroleum), heavy aromatic	ACGIH-TLV Not established
Stoddard solvent	ACGIH-TLV TWA: 100 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 and exposure guidelines are not exceeded. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

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	Clear.
Colour	Colourless
Form	Liquid
Odour	Solvent
Odour threshold	Not available
Physical state	Liquid
pH	Not available
Freezing point	Not available
Boiling point	148.88 - 204.44 °C (300 - 400 °F)
Pour point	Not available
Flash point	40.55 - 61.11 °C (105 - 142 °F) (ASTM D-56) TCC
Evaporation Rate	Slower than ether
Flammability limits in air, lower, % by volume	1
Flammability Limits in Air, Upper, % by Volume	6
Vapour pressure	6 mmHg @ 100°F
Vapour density	3.8 (Air = 1)
Specific gravity	Not available
Octanol/water coefficient	Not available
Solubility (H ₂ O)	Negligible
Auto-ignition temperature	Not available
VOC (Weight %)	< 820 g/L (< 6.84 lb/gal)
Viscosity	Not available
Percent volatile	100

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers. Reducing agents.
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
Naphthalene	Not available
Solvent naphtha (petroleum), heavy aromatic	590 mg/l/4h rat
Stoddard solvent	> 5500 mg/m3 rat

Component analysis - Oral LD50

Ingredient(s)	LD50
1,2,4-Trimethylbenzene	3280 mg/kg rat
Naphthalene	490 mg/kg rat; 533 mg/kg mouse; 1200 mg/day guinea pig
Solvent naphtha (petroleum), heavy aromatic	7050 mg/kg rat
Stoddard solvent	5000 mg/kg rat

Effects of acute exposure

Eye	May cause irritation.
Skin	Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals. May be absorbed through the skin.

ACGIH - Threshold Limit Values - Skin Notations

Naphthalene	91-20-3	Skin - potential significant contribution to overall exposure by the cutaneous route
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Inhalation Harmful if inhaled. May cause respiratory tract irritation.

Ingestion May cause stomach distress, nausea or vomiting. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

Sensitisation May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

Chronic effects Non-hazardous by WHMIS criteria.

Carcinogenicity Contains a potential carcinogen.

ACGIH - Threshold Limit Values - Carcinogens

Naphthalene	91-20-3	A4 - Not Classifiable as a Human Carcinogen
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IARC - Group 2B (Possibly Carcinogenic to Humans)

Naphthalene	91-20-3	Monograph 82 [2002]
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Mutagenicity Non-hazardous by WHMIS criteria.

Reproductive effects Non-hazardous by WHMIS criteria.

Teratogenicity Non-hazardous by WHMIS criteria.

Synergistic Materials Not available

12. Ecological Information

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

Ecotoxicity - Freshwater Algae Data

Naphthalene	91-20-3	72 Hr EC50 Skeletonema costatum: 0.4 mg/L
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	72 Hr EC50 Skeletonema costatum: 2.5 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]
Naphthalene	91-20-3	96 Hr LC50 Pimephales promelas: 5.74-6.44 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 1.6 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.91-2.82 mg/L [static]; 96 Hr LC50 Pimephales promelas: 1.99 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 31.0265 mg/L [static]
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	96 Hr LC50 Pimephales promelas: 19 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 2.34 mg/L; 96 Hr LC50 Lepomis macrochirus: 1740 mg/L [static]; 96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 41 mg/L

Ecotoxicity - Water Flea Data

1,2,4-Trimethylbenzene	95-63-6	48 Hr EC50 Daphnia magna: 6.14 mg/L
Naphthalene	91-20-3	48 Hr LC50 Daphnia magna: 2.16 mg/L; 48 Hr EC50 Daphnia magna: 1.96 mg/L [Flow through]; 48 Hr EC50 Daphnia magna: 1.09 - 3.4 mg/L [Static]
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	48 Hr EC50 Daphnia magna: 0.95 mg/L

Environmental effects	Not available
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	FLAMMABLE LIQUID, N.O.S. (Stoddard solvent)
Hazard class	3
UN number	1993
Packing group	II
Additional information:	
Special provisions	16



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

Naphthalene 91-20-3 Batch 1, published February 3, 2007

Canada - WHMIS - Ingredient Disclosure List

1,2,4-Trimethylbenzene	95-63-6	0.1 %
Naphthalene	91-20-3	1 %
Stoddard solvent	8052-41-3	1 %

WHMIS classification Class B - Division 3 - Combustible 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.