



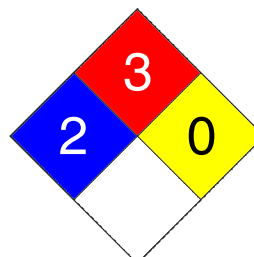
MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Dynamic Liquid Sandpaper - AA161100 & AA161200
CAS # Mixture
Product Use Paint Stripper
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. Toxic.
Contains material which may cause cancer.
Contains a potential teratogen. Contains a potential mutagen.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.
Eyes May cause irritation.
Skin May cause irritation. May be absorbed through the skin in harmful amounts.

ACGIH - Threshold Limit Values - Skin Notations

Methyl alcohol 67-56-1 Skin - potential significant contribution to overall exposure by the cutaneous route

NIOSH - Pocket Guide - Skin Notations

Ethylene glycol monobutyl ether 111-76-2 Potential for dermal absorption

Methyl alcohol 67-56-1 Potential for dermal absorption

Inhalation Harmful if inhaled. 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. Aspiration of material into lungs can cause chemical pneumonitis.

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

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

Signs and symptoms Symptoms are prostration, gasping, pallor, and uncoordinated movements. 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
Methylene chloride	75-09-2	1 - 5
Ethylene glycol monobutyl ether	111-76-2	1 - 5
Methyl alcohol	67-56-1	15 - 40
Xylene	1330-20-7	30 - 60
Distillates (petroleum), light hydrotreated	64742-47-8	30 - 60

4. First Aid Measures

First aid procedures

Eye contact	Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.
Skin contact	Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical attention if irritation persists.
Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.
Ingestion	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention.

Notes to physician

Symptoms may be delayed.

General advice

Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Keep out of reach of children. 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.

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	Carbon dioxide. Water spray. Dry chemical. Water Fog. Foam.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Vapour may accumulate in low areas.
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. Hydrogen chloride. Chlorine. Phosgene.
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. Use water spray to reduce vapours or divert vapour cloud drift.
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. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.
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
Distillates (petroleum), light hydrotreated	ACGIH-TLV Not established
Ethylene glycol monobutyl ether	ACGIH-TLV TWA: 20 ppm
Methyl alcohol	ACGIH-TLV TWA: 200 ppm STEL: 250 ppm
Methylene chloride	ACGIH-TLV TWA: 50 ppm
Xylene	ACGIH-TLV TWA: 100 ppm STEL: 150 ppm

Engineering controls

Use only under good ventilation conditions or with respiratory protection.

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

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	62 °C (143.60 °F)
Pour point	Not available
Flash point	12 °C (53.60 °F) TCC
Evaporation Rate	1.8 (BuAc = 1)
Flammability limits in air, lower, % by volume	2.6
Flammability Limits in Air, Upper, % by Volume	14.1
Vapour pressure	36 mmHg
Vapour density	3.4 (Air = 1)
Specific gravity	0.84 (H ₂ O = 1)
Octanol/water coefficient	Not available
Solubility (H₂O)	Negligible
Auto-ignition temperature	Not available
Viscosity	Water thin
Percent volatile	100

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Heat, open flames, static discharge, sparks and other ignition sources.
Incompatible materials	Strong oxidizing agents. Acids. Caustics.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Hydrogen chloride. Chlorine. Phosgene.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Distillates (petroleum), light hydrotreated	5.2 mg/l/4h rat
Ethylene glycol monobutyl ether	2.21 mg/l/4h rat
Methyl alcohol	Not available
Methylene chloride	14250 mg/m ³ rat
Xylene	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Distillates (petroleum), light hydrotreated	5000 mg/kg rat
Ethylene glycol monobutyl ether	470 mg/kg rat; 320 mg/kg rabbit
Methyl alcohol	5628 mg/kg rat; 7300 mg/kg mouse; 14200 mg/kg rabbit; 7600 mg/kg Monkey
Methylene chloride	1410 mg/kg rat
Xylene	4300 mg/kg rat

Effects of acute exposure

Eye	May cause irritation.
Skin	May cause irritation. May be absorbed through the skin in harmful amounts.

ACGIH - Threshold Limit Values - Skin Notations

Methyl alcohol	67-56-1	Skin - potential significant contribution to overall exposure by the cutaneous route
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NIOSH - Pocket Guide - Skin Notations

Ethylene glycol monobutyl ether	111-76-2	Potential for dermal absorption
Methyl alcohol	67-56-1	Potential for dermal absorption

Inhalation Harmful if inhaled. 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. Aspiration of material into lungs can cause chemical pneumonitis.

Sensitisation Non-hazardous by WHMIS criteria.

Chronic effects May cause chronic effects to the liver, kidneys, nervous system, eyes, heart and/or circulatory system.

Carcinogenicity Contains a potential carcinogen.

ACGIH - Threshold Limit Values - Carcinogens

Ethylene glycol monobutyl ether	111-76-2	A3 - Confirmed animal carcinogen with unknown relevance to humans.
Methylene chloride	75-09-2	A3 - Confirmed animal carcinogen with unknown relevance to humans.
Xylene	1330-20-7	A4 - Not Classifiable as a Human Carcinogen

IARC - Group 2B (Possibly Carcinogenic to Humans)

Methylene chloride	75-09-2	Monograph 71 [1999]; Supplement 7 [1987]
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IARC - Group 3 (Not Classifiable)

Ethylene glycol monobutyl ether	111-76-2	Monograph 88 [2006]
Xylene	1330-20-7	Monograph 71 [1999]; Monograph 47 [1989]

Mutagenicity Methylene chloride is considered mutagenic based on positive results obtained in mice exposed by inhalation.

Reproductive effects Non-hazardous by WHMIS criteria.

Teratogenicity

Methanol has produced teratogenic effects in mice exposed by inhalation to high concentrations that did not produce significant maternal toxicity. Xylene is considered fetotoxic in humans, based on observations of reduced fetal weight, delayed ossification and persistent behavioural effects in animal studies 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

Methylene chloride	75-09-2	96 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : >500 mg/L; 72 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : >500 mg/L
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Ecotoxicity - Freshwater Fish Species Data

Distillates (petroleum), light hydrotreated	64742-47-8	96 Hr LC50 <i>Pimephales promelas</i> : 45 mg/L [flow-through]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 2.2 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 2.4 mg/L [static]
Ethylene glycol monobutyl ether	111-76-2	96 Hr LC50 <i>Lepomis macrochirus</i> : 1490 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 2950 mg/L
Methyl alcohol	67-56-1	96 Hr LC50 <i>Pimephales promelas</i> : 28200 mg/L [flow-through]; 96 Hr LC50 <i>Pimephales promelas</i> : >100 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 19500-20700 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 18-20 ml/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 13500-17600 mg/L [flow-through]
Methylene chloride	75-09-2	96 Hr LC50 <i>Pimephales promelas</i> : 140.8-277.8 mg/L [flow-through]; 96 Hr LC50 <i>Pimephales promelas</i> : 262-855 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 193 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 193 mg/L [flow-through]
Xylene	1330-20-7	96 Hr LC50 <i>Pimephales promelas</i> : 13.4 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 2.661-4.093 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 13.5-17.3 mg/L; 96 Hr LC50 <i>Lepomis macrochirus</i> : 13.1-16.5 mg/L [flow-through]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 19 mg/L; 96 Hr LC50 <i>Lepomis macrochirus</i> : 7.711-9.591 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 23.53-29.97 mg/L [static]; 96 Hr LC50 <i>Cyprinus carpio</i> : 780 mg/L [semi-static]; 96 Hr LC50 <i>Cyprinus carpio</i> : >780 mg/L; 96 Hr LC50 <i>Poecilia reticulata</i> : 30.26-40.

Ecotoxicity - Microtox Data

Methyl alcohol	67-56-1	5 min EC50 <i>Photobacterium phosphoreum</i> : 43000 mg/L; 15 min EC50 <i>Photobacterium phosphoreum</i> : 40000 mg/L; 25 min EC50 <i>Photobacterium phosphoreum</i> : 39000 mg/L
Methylene chloride	75-09-2	24 Hr EC50 <i>Nitrosomonas</i> : 1 mg/L; 15 min EC50 <i>Photobacterium phosphoreum</i> : 2.88 mg/L
Xylene	1330-20-7	24 hr EC50 <i>Photobacterium phosphoreum</i> : 0.0084 mg/L

Ecotoxicity - Water Flea Data

Distillates (petroleum), light hydrotreated	64742-47-8	96 Hr LC50 <i>Den-dronereides heteropoda</i> : 4720 mg/L
Ethylene glycol monobutyl ether	111-76-2	24 Hr EC50 <i>Daphnia magna</i> : 1698 - 1940 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : >1000 mg/L
Methylene chloride	75-09-2	48 Hr EC50 <i>Daphnia magna</i> : 1532 - 1847 mg/L [Static]; 48 Hr EC50 <i>Daphnia magna</i> : 190 mg/L
Xylene	1330-20-7	48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 <i>Gammarus lacustris</i> : 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	FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL)
Hazard class	3 (6.1)
UN number	1992
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 - Schedule I - List of Toxic Substances

Ethylene glycol monobutyl ether	111-76-2	Present
Methylene chloride	75-09-2	Present

Canada - WHMIS - Ingredient Disclosure List

Ethylene glycol monobutyl ether	111-76-2	1 %
Methyl alcohol	67-56-1	1 %
Methylene chloride	75-09-2	0.1 %

WHMIS classification Class B - Division 2 - Flammable Liquid, Class D - Division 1B, 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	Dell Tech Laboratories Ltd. (519) 858-5021
Other Information	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.