



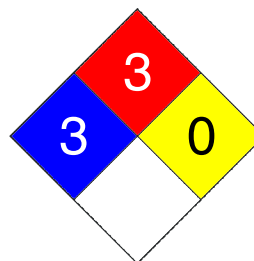
# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** Dynamic Methyl Hydrate - AA201200 & AA201300  
**CAS #** Mixture  
**Product Use** Solvent cleaner  
**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	* 3
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.  
Toxic.  
Contains a potential teratogen.  
Eye and skin irritant.

### 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.

### 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

Methyl alcohol 67-56-1 Potential for dermal absorption

**Inhalation** Harmful if inhaled. May cause respiratory tract irritation. vapour inhalation and/or skin absorption can cause central nervous system effects and blindness.

**Ingestion** This product may be harmful or fatal if swallowed.

**Target organs** Eyes. 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
Methyl alcohol	67-56-1	60 - 100

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 20 minutes. Obtain medical attention immediately.

**Skin contact** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**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. Keep out of reach of children. Avoid contact with eyes and skin. Immediate medical attention is required. 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.

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## 5. Fire-fighting Measures

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**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. Foam. Water Fog.

**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. Formaldehyde.

**Explosion data**

**Sensitivity to mechanical impact** Not available

**Sensitivity to static discharge** Not available

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## 6. Accidental Release Measures

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**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** 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.

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## 7. Handling and Storage

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**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. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials.

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## 8. Exposure Controls / Personal Protection

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**Exposure limit values**

**Ingredient(s)**

**Exposure limit values**

Methyl alcohol

**ACGIH-TLV**

TWA: 200 ppm

STEL: 250 ppm

**Engineering controls**

Use only under good ventilation conditions or with respiratory protection.

## Personal protective equipment

<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>	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.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Clear.
<b>Colour</b>	Colourless
<b>Form</b>	Liquid
<b>Odour</b>	Alcohol
<b>Odour threshold</b>	2000
<b>Physical state</b>	Liquid
<b>pH</b>	Not available
<b>Freezing point</b>	-98 °C (-144.40 °F)
<b>Boiling point</b>	64.5 °C (148.10 °F)
<b>Pour point</b>	Not available
<b>Flash point</b>	11 °C (51.80 °F)
<b>Evaporation Rate</b>	2.1 BuAc
<b>Flammability limits in air, lower, % by volume</b>	6 %
<b>Flammability Limits in Air, Upper, % by Volume</b>	36
<b>Vapour pressure</b>	96
<b>Vapour density</b>	1.11
<b>Specific gravity</b>	0.79 @ 21°C
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Complete
<b>Auto-ignition temperature</b>	385 °C (725.00 °F)
<b>VOC (Weight %)</b>	100
<b>Viscosity</b>	Water thin
<b>Percent volatile</b>	100 %

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## 10. Stability and Reactivity

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

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## 11. Toxicological Information

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### Component analysis - LC50

Ingredient(s)	LC50
Methyl alcohol	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Methyl alcohol	5628 mg/kg rat; 7300 mg/kg mouse; 14200 mg/kg rabbit; 7600 mg/kg Monkey

## Effects of acute exposure

**Eye** May cause irritation.  
**Skin** May cause irritation. May be absorbed through the skin.

### 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

Methyl alcohol 67-56-1 Potential for dermal absorption

**Inhalation** Harmful if inhaled. May cause respiratory tract irritation. vapour inhalation and/or skin absorption can cause central nervous system effects and blindness.

**Ingestion** This product may be harmful or fatal if swallowed.

**Sensitisation** Non-hazardous by WHMIS criteria.

**Chronic effects** Non-hazardous by WHMIS criteria.

**Carcinogenicity** Non-hazardous by WHMIS criteria.

**Mutagenicity** Non-hazardous by WHMIS criteria.

**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.

**Synergistic Materials** 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 Fish Species Data

Methyl alcohol 67-56-1 96 Hr LC50 Pimephales promelas: 28200 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas:>100 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss:19500-20700 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss:18-20 ml/L [static]; 96 Hr LC50 Lepomis macrochirus:13500-17600 mg/L [flow-through]

### Ecotoxicity - Microtox Data

Methyl alcohol 67-56-1 5 min EC50 Photobacterium phosphoreum: 43000 mg/L; 15 min EC50 Photobacterium phosphoreum: 40000 mg/L; 25 min EC50 Photobacterium phosphoreum: 39000 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

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## 13. Disposal Considerations

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**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

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## 14. Transport Information

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

**Basic shipping requirements:**

**Proper shipping name** Methanol  
**Hazard class** 3 (6.1)  
**UN number** UN1230  
**Packing group** II



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## 15. Regulatory Information

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**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**

Methyl alcohol 67-56-1 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)

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## 16. Other Information

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**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.