



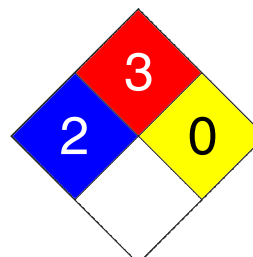
# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** Gold Paint - AA100100, AA100400, AC010601 - AC010607  
**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.  
May cause sensitisation by skin contact.  
Contains potential teratogens.

### 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

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

**Ingestion** May cause stomach distress, nausea or vomiting.

**Target organs** 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
Zinc, elemental	7440-66-6	1 - 5
Methyl alcohol	67-56-1	1 - 5
Aluminum	7429-90-5	1 - 5
Xylene	1330-20-7	30 - 60
Stoddard solvent	8052-41-3	30 - 60
Copper	7440-50-8	5 - 10

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## 4. First Aid Measures

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### 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.

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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. 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. Oxides of nitrogen. Hydrogen cyanide (hydrocyanic acid).

### 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 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.

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## 7. Handling and Storage

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### Handling

Use according to package label instructions. Avoid breathing vapours or mists of this product.

### 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.

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## 8. Exposure Controls / Personal Protection

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### Exposure limit values

Ingredient(s)	Exposure limit values
Aluminum	<b>ACGIH-TLV</b> TWA: 1 mg/m <sup>3</sup>
Copper	<b>ACGIH-TLV</b> TWA: 0.2 mg/m <sup>3</sup>
Methyl alcohol	<b>ACGIH-TLV</b> TWA: 200 ppm STEL: 250 ppm
Stoddard solvent	<b>ACGIH-TLV</b> TWA: 100 ppm
Xylene	<b>ACGIH-TLV</b> TWA: 100 ppm STEL: 150 ppm
Zinc, elemental	<b>ACGIH-TLV</b> Not established

### 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

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.

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## 9. Physical and Chemical Properties

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Appearance	Opaque.
Colour	Gold
Form	Liquid
Odour	Mild
Odour threshold	Not available
Physical state	Liquid
pH	Not available
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Flash point	23 °C (73.40 °F) TCC
Evaporation Rate	0.75 (Ether = 1)
Flammability limits in air, lower, % by volume	1.2
Flammability Limits in Air, Upper, % by Volume	6.9
Vapour pressure	9 mmHg
Vapour density	3.7 (Air = 1)
Specific gravity	1.65 (H <sub>2</sub> O = 1)
Octanol/water coefficient	Not available

<b>Solubility (H2O)</b>	Insoluble
<b>Auto-ignition temperature</b>	Not available
<b>VOC (Weight %)</b>	100
<b>Viscosity</b>	Water thin

## 10. Stability and Reactivity

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

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Aluminum	Not available
Copper	Not available
Methyl alcohol	83.2 mg/l/4h rat
Stoddard solvent	> 5500 mg/m3 rat
Xylene	5000 mg/l/4h rat
Zinc, elemental	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Aluminum	Not available
Copper	Not available
Methyl alcohol	5628 mg/kg rat; 7300 mg/kg mouse; 14200 mg/kg rabbit; 7600 mg/kg Monkey
Stoddard solvent	5000 mg/kg rat
Xylene	4300 mg/kg rat
Zinc, elemental	Not available

### Effects of acute exposure

<b>Eye</b>	May cause irritation.
<b>Skin</b>	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

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

**Ingestion** May cause stomach distress, nausea or vomiting.

**Sensitisation** Contains a potential skin sensitizer.

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

**Carcinogenicity** See below.

#### ACGIH - Threshold Limit Values - Carcinogens

Aluminum 7429-90-5 A4 - Not Classifiable as a Human Carcinogen

Xylene 1330-20-7 A4 - Not Classifiable as a Human Carcinogen

#### IARC - Group 3 (Not Classifiable)

Xylene 1330-20-7 Monograph 71 [1999], Monograph 47 [1989]

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

<b>Reproductive effects</b>	Non-hazardous by WHMIS criteria.
<b>Teratogenicity</b>	Contains potential teratogens. Methanol has produced teratogenic effects in mice exposed by inhalation to high concentrations that did not produce significant maternal toxicity.
<b>Synergistic Materials</b>	Not available

## 12. Ecological Information

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

### Ecotoxicity - Freshwater Algae Data

Copper	7440-50-8	72 Hr EC50 <i>Scenedesmus subspicatus</i> : 120 µg/L
Zinc, elemental	7440-66-6	96 Hr EC50 <i>Selenastrum capricornutum</i> : 30 µg/L

### Ecotoxicity - Freshwater Fish Species Data

Copper	7440-50-8	96 Hr LC50 <i>Pimephales promelas</i> : 0.0068-0.0156 mg/L; 96 Hr LC50 <i>Pimephales promelas</i> : <0.3 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : ~0.2 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 0.052 mg/L [flow-through]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 1.25 mg/L [static]; 96 Hr LC50 <i>Cyprinus carpio</i> : 0.3 mg/L [semi-static]; 96 Hr LC50 <i>Cyprinus carpio</i> : 0.8 mg/L [static]; 96 Hr LC50 <i>Poecilia reticulata</i> : 0.112 mg/L [flow-through]
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]
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.
Zinc, elemental	7440-66-6	96 Hr LC50 <i>Pimephales promelas</i> : 2.16-3.05 mg/L [flow-through]; 96 Hr LC50 <i>Pimephales promelas</i> : 0.211-0.269 mg/L [semi-static]; 96 Hr LC50 <i>Pimephales promelas</i> : 2.66 mg/L [static]; 96 Hr LC50 <i>Cyprinus carpio</i> : 30 mg/L; 96 Hr LC50 <i>Cyprinus carpio</i> : 0.45 mg/L [semi-static]; 96 Hr LC50 <i>Cyprinus carpio</i> : 7.8 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 3.5 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 0.24 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 0.59 mg/L [semi-static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 0.

### 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
Xylene	1330-20-7	24 hr EC50 <i>Photobacterium phosphoreum</i> : 0.0084 mg/L

### Ecotoxicity - Water Flea Data

Copper	7440-50-8	96 Hr EC50 water flea: 10 µg/L; 96 Hr EC50 water flea: 200 µg/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
Zinc, elemental	7440-66-6	72 Hr EC50 water flea: 5 µg/L

<b>Environmental effects</b>	Harmful to aquatic life.
<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

## 13. Disposal Considerations

<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	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

Aluminum	7429-90-5	1 %
Copper	7440-50-8	1 %
Methyl alcohol	67-56-1	1 %
Stoddard solvent	8052-41-3	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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### 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.