

SAFETY DATA SHEET

Topcoat Formulations 005-010-030-050-070-080

Prepared according to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union Reach Regulation, Directives 67/548/EC & 1999/45/EC and CLP Regulation 1272/2008/EC

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	Topcoat Formulations 005-010-030-050-070-080
Product Number:	005, 010, 030, 050, 070, 080
CAS No:	Mixture
1.2 Product Use:	Various uses
1.3 Company Name:	DuraMend LLC.
Company Address:	9449 Brookpark Rd
Company Address Cont:	Parma OH 44129
Business Phone:	(216) 398-9009 / (800) 306-8296
1.4 Emergency Telephone Number:	(216) 398-5100
Date of Current Revision:	October 17, 2019
Date of Last Revision:	March 15, 2016

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a liquid with a slight odor.

Health Hazards: Contact with the skin and eyes may cause irritation. May be harmful if swallowed.

Flammability Hazards: This product is not flammable with a flash point >200°F (93.3°C).

Reactivity Hazards: None.

Environmental Hazards: The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

US DOT Symbols: Not Regulated

EU and GHS Symbols:



Signal Word:

Warning

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 or the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS:

Index Number:

EC# 231-791-2 This substance is not classified in the Annex VI

Additive not available (self-classified by manufacturer)

EC# 200-338-0 This substance is not classified in the Annex VI

EC# 601-045-4 This substance is not classified in the Annex VI

EC# 601-216-3 This substance is not classified in the Annex VI

EC# 203-539-1 Annex VI Index #: 603-604-00-3

EC# 203-905-0 Annex VI Index #: 603-014-00-0

Substances not listed either individually or in group entries must be self-classified.

Components Contributing to Classification: All Components

2.2 Label Elements:

GHS Hazard Classifications:	Acute Toxicity Category 5 (Oral) Skin Irritation Category 3 Eye Irritation Category 2A
Hazard Statements:	H303 May be harmful if swallowed H316 Causes mild skin irritation H319 Causes serious eye irritation
Prevention Statements:	P264 Wash thoroughly after handling P280 Wear eye protection/face protection
Response Statements:	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P332+P313 If skin irritation occurs: Get medical advice / attention. P312: Call a POISON CENTER/Doctor if you feel unwell.
Storage Statements:	None Applicable
Disposal Statements:	P501 Dispose of contents/container in accordance to local/regional/national/international regulations.

2.3 Health Hazards or Risks From Exposure:

Symptoms of Overexposure by Route of Exposure:

The most significant routes of overexposure for this product are by contact with the eyes, respiratory system, and skin. The symptoms of overexposure are described in the following paragraphs.

Acute:

- Inhalation:** Mist and spray may cause respiratory tract irritation.
- Skin Contact:** Prolonged skin contact may cause irritation.
- Eye Contact:** Direct contact to the eyes may be irritating.
- Ingestion:** May be harmful if swallowed.

Chronic: None known

Target Organs:

- Acute: Skin, Eyes, Respiratory System
- Chronic: None known

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Water	30-60	7732-18-5	231-791-2	Not Classified
Additive	0-2	Not Available	Not Available	Eye Irrit. Cat 2B, Skin Irrit. Cat 3,
Propylene glycol	0-3	57-55-6	200-338-0	Eye Irrit. Cat 2B, Skin Irrit. Cat 3
Dipropylene glycol dimethyl	0-3	111109-77-4	601-045-4	Eye Irrit. Cat 2A
Silica	0-5	112945-52-5	601-216-3	Eye Irrit. Cat 2, Skin Irrit. Cat 2, STOT SE 3 (Resp. Irrit.)
Propylene glycol methyl ether	0.5-5	107-98-2	203-539-1	Flam. Liq. Cat 3, STOT SE 3
Ethylene glycol butyl ether	0.5-5	111-76-2	203-905-0	Acute Tox. Cat 4 (Oral, Dermal, Inhalation), Eye Irrit. Cat 2, Skin Irrit. Cat 2

Balance of other ingredients are non-hazardous or below applicable cutoff levels.

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures:

- Eye Contact:** If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.
- Skin Contact:** Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.
- Inhalation:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:

If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Medical Conditions Generally Aggravated by Exposure:

Pre-existing skin, respiratory system or eye problems may be aggravated by prolonged contact.

4.2 Symptoms and Effects Both Acute and Delayed:

Exposure to skin and eyes may cause irritation.

4.3 Recommendations to Physicians:

Treat symptoms and eliminate overexposure.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials:

Water Spray: Yes
Foam: Yes
Halon: Yes

Carbon Dioxide: Yes
Dry Chemical: Yes
Other: Any "C" Class

5.2 Unusual Fire and Explosion Hazards:

Irritating and toxic fumes may be produced at high temperatures.

Explosive Sensitivity to Mechanical Impact:

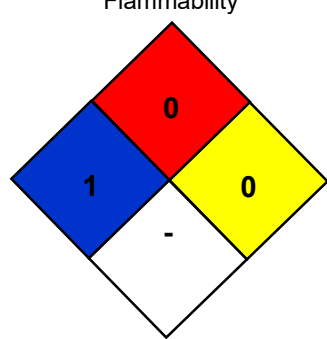


No

Explosive Sensitivity to Static Discharge:

No

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

5.3 Special Fire-Fighting Procedures:

NFPA RATING SYSTEM		HMIS RATING SYSTEM			
<p>Flammability</p>  <p>Health Reactivity</p> <p style="text-align: center;">Other</p>		HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
		HEALTH HAZARD (BLUE)	1		
		FLAMMABILITY HAZARD (RED)	0		
		PHYSICAL HAZARD (YELLOW)	0		
PROTECTIVE EQUIPMENT					
EYES	RESPIRATORY	HANDS	BODY		
	See Sect 8		See Sect 8		
For Routine Industrial Use and Handling Applications					
Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard					

SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.

Large Spills:

- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

See section 1.2.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Exposure Parameters:

Ingredients	CAS No.	OSHA PEL	NIOSH PEL
Water	7732-18-5	Not Listed	Not Listed
Additive	Not Available	Not Listed	Not Listed
Propylene glycol	57-55-6	Not Listed	Not Listed
Dipropylene glycol dimethyl	111109-77-4	Not Listed	Not Listed
Silica	112945-52-5	80 mg/m ³	6 mg/m ³
Propylene glycol methyl ether	107-98-2	Not Listed	100 ppm 360 mg/m ³
Ethylene glycol butyl ether	111-76-2	50 ppm 240 mg/m ³	5 ppm 24 mg/m ³

8.2 Exposure Controls:

Ventilation and Engineering Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Not required for properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection:

Safety glasses or goggles are recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on Basic Physical and Chemical Properties:****Appearance (Physical State and Color):** Liquid**Odor:** Slight**Odor Threshold:** No data available**pH:** 8-10**Melting/Freezing Point:** No data available**Boiling Point:** No data available**Flash Point:** >200°F (93.3°C).**Evaporation Rate:** No data available**Flammability (Solid; Gas):** Not applicable**Upper/Lower Flammability or Explosion Limits:** No data available**Vapor Pressure (mm Hg @ 20°C (68° F):** No data available**Vapor Density:** No data available**Relative Density:** No data available**Specific Gravity:** No data available**Solubility in Water:** No data available**Weight per Gallon:** No data available**Partition Coefficient (n-octanol/water):** No data available**Auto-Ignition Temperature:** No data available**Decomposition Temperature:** No data available**Viscosity:** No data available**9.2 Other Information:**

No data available

SECTION 10 - STABILITY AND REACTIVITY**10.1 Reactivity:**

This product is not reactive.

10.2 Stability:

Stable under conditions of normal storage and use.

10.3 Possibility of Hazardous Reactions:

Will not occur.

10.4 Conditions to Avoid:

Avoid excessive temperatures and contact with incompatibles.

10.5 Incompatible Substances:

Strong oxidizing agents.

10.6 Hazardous Decomposition Products:

Combustion may produce Carbon Dioxide and Carbon Monoxide.

SECTION 11 - TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:****Toxicity Data:**

Ethylene glycol butyl ether 111-76-2

LD50 – Oral 880 mg/kg

LD50 – Dermal 1,060 mg/kg

Suspected Cancer Agent:

Ingredients within this product are not found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be cancer-causing agents by these agencies.

Irritancy:

This product is considered a skin and eye irritant.

Sensitization to the Product:

This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity:	This product does not contain ingredients that are suspected to be a germ cell mutagenic.
Reproductive Toxicity:	This product is not expected to be a human reproductive toxicant.
Specific Target Organ Toxicity – Single Exposure:	May be harmful if swallowed.
Specific Target Organ Toxicity – Repeated Exposure:	No data available.
Aspiration Hazard:	Not expected to be an aspiration hazard.

SECTION 12 - ECOLOGICAL INFORMATION

<u>12.1 Toxicity:</u>	No specific data available on this product
<u>12.2 Persistence and Degradability:</u>	No specific data available on this product.
<u>12.3 Bioaccumulative Potential:</u>	No specific data available on this product.
<u>12.4 Mobility in Soil:</u>	No specific data available on this product.
<u>12.5 Results of PBT and vPvB Assessment:</u>	No specific data available on this product.
<u>12.6 Other Adverse Effects:</u>	No data available
<u>12.7 Water Endangerment Class:</u>	At present, there are no ecotoxicological assessments for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:	Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.
13.2 EU Waste Code:	Not determined

SECTION 14 - TRANSPORTATION INFORMATION

14.1 U.S. Department of Transportation (DOT) Shipping Regulations:

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN Identification Number:	Not applicable
Proper Shipping Name:	Not Regulated
Hazard Class Number and Description:	Not applicable
Packing Group:	Not applicable
DOT Label(s) Required:	Not applicable
North American Emergency Response Guidebook Number:	Not applicable

14.2 Environmental Hazards:

Marine Pollutant:	The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).
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14.3 Special Precaution for User:

None

14.4 International Air Transport Association Shipping Information (IATA):

Not Regulated

14.5 International Maritime Organization Shipping Information (IMO):

Not Regulated

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:

United States Regulations:

U.S. SARA Reporting Requirements:

The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA 311/312:

Acute Health: Yes; Chronic Health: No; Fire: No; Reactivity: No

U.S. SARA 313:

None

U.S. CERCLA Reportable Quantity:

None

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:**Canadian DSL/NDSL Inventory Status:**

Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:

Classified per WHMIS 2015 Controlled Product Regulations.

15.3 European Economic Community Information:

This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

SECTION 16 - ADDITIONAL INFORMATION

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. Duramend LLC assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Duramend LLC assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET