

Revision Date: 02-May-2019 Revision Number: 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DURALAQ-WB WATERBORNE WHITE ACRYLIC FINISHES

SATIN

Product Code 1WB-204FR

Alternate Product Code HL8901

Product Class FINISH COATING

ColorWhiteRecommended useTopcoat

Restrictions on use No information available

Manufactured For

Benjamin Moore & Co., Limited

8775 Keele Street Concord ON L4K 2N1 Phone: 1-800-361-5898 lenmar-coatings.ca

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645

Phone: 1-866-708-9180 lenmar-coatings.com

Emergency Telephone CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

Reproductive toxicity Category 2

Label elements

Warning

Hazard statements

Suspected of damaging fertility or the unborn child

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Appearance liquid Odor little or no odor

Precautionary Statements - Prevention

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

No information available

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Titanium dioxide	13463-67-7	10 - 30%	-	-
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	3 - 7%	-	-
2-Propanol-1-butoxy	5131-66-8	1 - 5%	-	-
Silica, amorphous	7631-86-9	1 - 5%	-	-
2,2,4-trimethyl-1,3-propanediol diisobutyrate	6846-50-0	1 - 5%	-	-

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General AdviceNo hazards which require special first aid measures.

Eye Contact Rinse thoroughly with plenty of water for at least 15

minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes.

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Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of

water. Consult a physician if necessary.

Most Important Symptoms/Effects None known.

Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear.

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or

extreme heat.

Sensitivity to mechanical impact No

Sensitivity to static discharge No

Flash Point Data

Flash point (°F)

Flash Point (°C)

Method

Not applicable

Not applicable

Not applicable

Flammability Limits In Air

Lower flammability limit:

Upper flammability limit:

Not applicable
Not applicable

NFPA Health: 1 Flammability: 0 Instability: 0 Special: Not Applicable

NFPA Legend

- 0 Not Hazardous
- 1 Slightly
- 2 Moderate
- 3 High
- 4 Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure

adequate ventilation.

Other Information Prevent further leakage or spillage if safe to do so.

Environmental precautionsSee Section 12 for additional Ecological Information.

Methods for Cleaning Up Soak up with inert absorbent material. Sweep up and

shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing

vapors, spray mists or sanding dust. In case of insufficient

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ventilation, wear suitable respiratory equipment.

Storage Keep container tightly closed. Keep out of the reach of

children.

Incompatible Materials No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH TLV	Alberta	British Columbia	Ontario	Quebec
Titanium dioxide	10 mg/m³ - TWA	10 mg/m³ - TWA	10 mg/m ³ - TWA	10 mg/m³ - TWA	10 mg/m ³ - TWAEV
			3 mg/m³ - TWA		
Ethanol, 2-(2-butoxyethoxy)-	10 ppm - TWA	N/E	N/E	10 ppm - TWA	N/E

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

Alberta - Alberta Occupational Exposure Limits

British Columbia - British Columbia Occupational Exposure Limits

Ontario - Ontario Occupational Exposure Limits Quebec - Quebec Occupational Exposure Limits

N/E - Not established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin Protection Protective gloves and impervious clothing.

Respiratory Protection In case of insufficient ventilation wear suitable respiratory

equipment.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and

wash contaminated clothing before re-use. Wash

thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid

Odor little or no odor

Odor Threshold No information available

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 Density (lbs/gal)
 9.7 - 9.8

 Specific Gravity
 1.16 - 1.18

pHNo information availableViscosity (cps)No information availableSolubility(ies)No information availableWater solubilityNo information availableEvaporation RateNo information available

Vapor pressureNo information availableVapor densityNo information availableWt. % Solids35 - 45Vol. % Solids25 - 35

 Wt. % Volatiles
 55 - 65

 Vol. % Volatiles
 65 - 75

 VOC Regulatory Limit (g/L)
 <275</td>

 Boiling Point (°F)
 212

 Boiling Point (°C)
 100

 Freezing point (°F)
 32

 Freezing Point (°C)
 0

Flash point (°F)

Flash Point (°C)

Method

Flammability (solid, gas)

Upper flammability limit:

Lower flammability limit:

Not applicable

Not applicable

Not applicable

Autoignition Temperature (°F)No information availableAutoignition Temperature (°C)No information availableDecomposition Temperature (°C)No information availablePartition coefficientNo information available

10. STABILITY AND REACTIVITY

Reactivity Not Applicable

Chemical Stability Stable under normal conditions.

Conditions to avoid Prevent from freezing.

Incompatible Materials No materials to be especially mentioned.

Hazardous Decomposition Products

None under normal use.

Possibility of hazardous reactions None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact May cause slight irritation

Skin contact Substance may cause slight skin irritation. Prolonged or

repeated contact may dry skin and cause irritation.

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Inhalation May cause irritation of respiratory tract.

Ingestion Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhea. No information available.

SensitizationNo information available.Neurological EffectsNo information available.Mutagenic EffectsNo information available.

Reproductive Effects Possible risk of impaired fertility. Possible risk of harm to

the unborn child.

Developmental EffectsNo information available.Target organ effectsNo information available.STOT - single exposureNo information available.STOT - repeated exposureNo information available.Other adverse effectsNo information available.Aspiration HazardNo information available.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

 ATEmix (oral)
 21081 mg/kg

 ATEmix (dermal)
 26343 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Ethanol, 2-(2-butoxyethoxy)- 112-34-5	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
2-Propanol-1-butoxy 5131-66-8	= 1900 mg/kg (Rat) = 5660 µL/kg (Rat)	= 3100 mg/kg (Rabbit)	-
Silica, amorphous 7631-86-9	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat)1 h
2,2,4-trimethyl-1,3-propanediol diisobutyrate 6846-50-0	> 3200 mg/kg (Rat)	-	-

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical name	IARC	NTP
	2B - Possible Human Carcinogen	
Titanium dioxide	_	

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• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend

IARC - International Agency for Research on Cancer NTP - National Toxicity Program OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

Persistence / Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component Information

Acute Toxicity to Fish

Titanium dioxide

LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Ethanol, 2-(2-butoxyethoxy)-

EC50: 100 mg/L (Daphnia - 48 hr.)

Acute Toxicity to Aquatic Plants

No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

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14. TRANSPORT INFORMATION

TDG Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United StatesYes - All components are listed or exempt.
Yes - All components are listed or exempt.

National Pollutant Release Inventory (NPRI)

NPRI Parts 1-4

This product contains the following Parts 1-4 NPRI chemicals:

None

NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

Chemical name	CAS No.	Weight-%	NPRI Part 5
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	3 - 7%	Listed
2-Propanol-1-butoxy	5131-66-8	1 - 5%	Listed

WHMIS Regulatory Status

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

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16. OTHER INFORMATION

HMIS - Health: 1* Flammability: 0 Reactivity: 0 PPE: -

HMIS Legend

- 0 Minimal Hazard
- 1 Slight Hazard
- 2 Moderate Hazard
- 3 Serious Hazard
- 4 Severe Hazard
- * Chronic Hazard
- X Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @

http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked questions-questions posees-eng.php.

Prepared By Product Stewardship Department

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Reason for revision Not available

Disclaimer

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End of Safety Data Sheet