



Revision Date: 14-Jun-2016

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Product Code Alternate Product Code Product Class Color Recommended use Restrictions on use

SHOP PRIMER GRAY

V142-70FR A14270 SOLVENT THINNED PAINT Gray Primers No information available

Manufactured For

Benjamin Moore & Co., Limited 8775 Keele Street Concord ON L4K 2N1 Phone: 1-800-361-5898 corotechcoatings.ca

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 800-225-5554 corotechcoatings.com Emergency Telephone Number(s) CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification

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

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3
Physical hazard not otherwise classified	Category 1

Label elements

Odor solvent

Danger

Hazard statements Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction May cause cancer Causes damage to organs through prolonged or repeated exposure May be fatal if swallowed and enters airways Flammable liquid and vapor Risk of spontaneous combustion



Appearance liquid

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

Wash face, hands and any exposed skin thoroughly after handling

Contaminated work clothing should not be allowed out of the workplace

Do not breathe dust/fume/mist/vapors/spray

Do not eat, drink or smoke when using this product

Keep away from heat/sparks/open flames/hot surfaces, no smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Wear protective gloves/protective clothing/eye protection/face protection

Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

Precautionary Statements - Response

If exposed or concerned get medical attention

Eyes

If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists get medical attention

Skin

If skin irritation or rash occurs get medical attention

If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water

Wash contaminated clothing before reuse

Ingestion

If swallowed immediately call a POISON CENTER or physician

Do NOT induce vomiting

Fire

In case of fire use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

Other information

No information available

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical Name	CAS-No	Weight % (max)
Limestone	1317-65-3	30 - 60%
Xylene	1330-20-7	7 - 13%
Talc	14807-96-6	5 - 10%
Ethyl benzene	100-41-4	1 - 5%
Titanium dioxide	13463-67-7	1 - 5%
Distillates, petroleum, hydrotreated light	64742-47-8	1 - 5%
Stoddard solvent	8052-41-3	1 - 5%
Silica, crystalline	14808-60-7	0.25 - 0.5%
Methyl ethyl ketoxime	96-29-7	0.1 - 0.25%
Cobalt bis(2-ethylhexanoate)	136-52-7	0.1 - 0.25%

4. FIRST A	ND MEASURES
General Advice	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash clothing before reuse. Destroy contaminated articles such as shoes.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
Protection Of First-Aiders	Use personal protective equipment.
Most Important Symptoms/Effects	May cause allergic skin reaction.
Notes To Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause flash fire.	
Suitable Extinguishing Media	Foam, dry powder or water. 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.	
Hazardous Combustion Products	Burning may result in carbon dioxide, carbon monoxide and other combustion products of varying composition which may be toxic and/or irritating.	
Specific Hazards Arising From The Chemical	Flammable. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Closed containers may rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.	
Sensitivity To Mechanical Impact	No	
Sensitivity To Static Discharge	Yes	
Flash Point Data Flash Point (°F) Flash Point (°C) Flash Point Method	80 27 PMCC	
Flammability Limits In Air		
Lower Explosion Limit Upper Explosion Limit	Not available Not available	
NFPA Health: 2 Flammability: 3 Inst	ability: 0 Special: Not Applicable	
NFPA Legend 0 - Not Hazardous 1 - Slightly 2 - Moderate		

- 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

Remove all sources of ignition. Take precautions to prevent flashback. Ground and bond all containers and handling equipment. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Other Information

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system.

Environmental Precautions

Methods For Clean-Up

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

See Section 12 for additional Ecological Information.

Dam up. Soak up with inert absorbent material. Use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use.
	Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children.
	DANGER - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.
Incompatible Materials	Incompatible with strong acids and bases and strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No exposure limits have been established for this product.

Chemical Name	ACGIH	Alberta	British Columbia	Ontario	Quebec
Limestone	N/E	10 mg/m ³ - TWA	10 mg/m ³ - TWA	N/E	10 mg/m ³ - TWAEV
			3 mg/m³ - TWA		
			20 mg/m ³ - STEL		
Xylene	100 ppm - TWA	100 ppm - TWA	100 ppm - TWA	100 ppm - TWA	100 ppm - TWAEV
	150 ppm - STEL	434 mg/m ³ - TWA	150 ppm - STEL	150 ppm - STEL	434 mg/m ³ - TWAEV
		150 ppm - STEL			150 ppm - STEV
		651 mg/m ³ - STEL			651 mg/m ³ - STEV
Talc	2 mg/m ³ - TWA	2 mg/m ³ - TWA	2 mg/m ³ - TWA	2 mg/m³ - TWA	3 mg/m ³ - TWAEV
Ethyl benzene	20 ppm - TWA	100 ppm - TWA	20 ppm - TWA	20 ppm - TWA	100 ppm - TWAEV
		434 mg/m ³ - TWA			434 mg/m ³ - TWAEV

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		125 ppm - STEL 543 mg/m ³ - STEL			125 ppm - STEV 543 mg/m ³ - STEV
Titanium dioxide	10 mg/m³ - TWA	10 mg/m³ - TWA	10 mg/m³ - TWA 3 mg/m³ - TWA	10 mg/m³ - TWA	10 mg/m ³ - TWAEV
Distillates, petroleum, hydrotreated light	N/E	N/E	200 mg/m ³ - TWA Skin absorption can contribute to overall exposure.	N/E	N/E
Stoddard solvent	100 ppm - TWA	100 ppm - TWA 572 mg/m³ - TWA	290 mg/m ³ - TWA 580 mg/m ³ - STEL	525 mg/m³ - TWA	100 ppm - TWAEV 525 mg/m ³ - TWAEV
Silica, crystalline	0.025 mg/m ³ - TWA	0.025 mg/m ³ - TWA	0.025 mg/m ³ - TWA	0.10 mg/m ³ - TWA	0.1 mg/m ³ - TWAEV

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

Personal Protective Equipment

Eye/Face Protection Skin Protection Respiratory Protection Ensure adequate ventilation, especially in confined areas.

Safety glasses with side-shields.

Protective gloves and impervious clothing. Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

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 Odor Odor Threshold Density (Ibs/gal)
Specific Gravity
рН
Viscosity (cps)
Solubility
Water Solubility
Evaporation Rate
Vapor Pressure
Vapor Density
Wt. % Solids
Vol. % Solids
Wt. % Volatiles
Vol. % Volatiles
VOC Regulatory Limit (g/L)
Boiling Point (°F)
Boiling Point (°C)
Freezing Point (°F)
Freezing Point (°C)
Flash Point (°F)
Flash Point (°C)
Flash Point Method

liauid solvent No information available 12.5 - 12.8 1.49 - 1.53 No information available 70 - 80 50 - 60 20 - 30 40 - 50 < 340 212 100 No information available No information available 80 27 PMCC

Flammability (solid, gas) Upper Explosion Limit Lower Explosion Limit Autoignition Temperature (°F) Autoignition Temperature (°C) Decomposition Temperature (°C) Decomposition Temperature (°C) Partition Coefficient (n-octanol/water) Not applicable Not applicable Not applicable No information available No information available No information available No information available No information available

10. STABILITY AND REACTIVITY

Reactivity Not Applicable **Chemical Stability** Stable under normal conditions. Hazardous polymerisation does not occur. **Conditions To Avoid** Keep away from open flames, hot surfaces, static electricity and sources of ignition. Sparks. Elevated temperature. **Incompatible Materials** Incompatible with strong acids and bases and strong oxidizing agents. **Hazardous Decomposition Products** Thermal decomposition can lead to release of irritating gases and vapors. None under normal conditions of use. **Possibility Of Hazardous Reactions**

11. TOXICOLOGICAL INFORMATION

Product Information Information on likely routes of exposure

Principal Routes of Exposure

Acute Toxicity Product Information Eye contact, skin contact and inhalation.

Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Information on toxicological effects

Symptoms

No information available

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

Eye contact	Contact with eyes may cause irritation.
Skin contact	May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.
Inhalation	Harmful by inhalation. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.
Ingestion	Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or

Sensitization: Neurological Effects Mutagenic Effects Reproductive Effects Developmental Effects Target Organ Effects STOT - single exposure	vomiting may cause mild to severe pulmonary injury, possibly progressing to death. May cause an allergic skin reaction. No information available. No information available. No information available. No information available. No information available. May cause disorder and damage to the. Respiratory system.
STOT - repeated exposure Other adverse effects Aspiration Hazard	Causes damage to organs through prolonged or repeated exposure if inhaled. Contains: Crystalline Silica which has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint. Causes damage to organs through prolonged or repeated exposure. No information available. May be harmful if swallowed and enters airways. Small
	amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Numerical measures of toxicity

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

ATEmix (oral) ATEmix (dermal) ATEmix (inhalation-dust/mist) 16394 mg/kg 7684 mg/kg 10 mg/L

Component

<u>Xylene</u> LD50 Oral: 4300 mg/kg (Rat) LD50 Dermal: > 1700 mg/kg (Rabbit) LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hr.) Ethyl benzene LD50 Oral: mg/kg (Rat) LD50 Dermal: > mg/kg (Rabbit) LC50 Inhalation (Vapor): mg/m³ (Rat, 2 hr.) Titanium dioxide LD50 Oral: > 10000 mg/kg (Rat) Distillates, petroleum, hydrotreated light LD50 Oral: > 5,000 mg/kg (Rat) LD50 Dermal: > 3,000 mg/kg (Rabbit) Stoddard solvent LD50 Oral: > 5,000 mg/kg (Rat) LD50 Dermal: > 3160 mg/kg (Rabbit) LC50 Inhalation (Vapor): > 6.1 mg/L (Rat) Silica, crystalline LD50 Oral: 500 mg/kg (Rat) Methyl ethyl ketoxime LD50 Oral: 930 mg/kg (Rat) LD50 Dermal: 200 µL/kg (Rabbit) LC50 Inhalation (Vapor): > 4.8 mg/L (Rat)

Chronic Toxicity

Carcinogenicity

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

Chemical Name	IARC	NTP	
	2B - Possible Human Carcinogen		
Ethyl benzene			
	2B - Possible Human Carcinogen		
Titanium dioxide			
	1 - Human Carcinogen	Known Human Carcinogen	
Silica, crystalline		-	
	2B - Possible Human Carcinogen		
Cobalt bis(2-ethylhexanoate)			

• Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.

• 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."

• Cobalt and cobalt compounds are listed as possible human carcinogens by IARC (2B). However, there is inadequate evidence of the carcinogenicity of cobalt and cobalt compounds in humans.

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 / Accumulation

No information available.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component

Acute Toxicity to Fish

<u>Xylene</u> LC50: 13.5 mg/L (Rainbow Trout - 96 hr.) <u>Ethyl benzene</u> LC50: 12.1 mg/L (Fathead Minnow - 96 hr.) <u>Titanium dioxide</u> LC50: > 1000 mg/L (Fathead Minnow - 96 hr.) <u>Methyl ethyl ketoxime</u> LC50: 48 mg/L (Bluegill sunfish - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Ethyl benzene EC50: 1.8 mg/L (Daphnia magna - 48 hr.) Methyl ethyl ketoxime EC50: 750 mg/L (Daphnia magna - 48 hr.)

Acute Toxicity to Aquatic Plants

Ethyl benzene EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

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.

Empty Container Warning

Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

14. TRANSPORT INFORMATION

TDG

Proper Shipping Name Hazard Class UN-No Packing Group Description

Paint 3 UN1263 III UN1263, Paint, 3, III

ICAO / IATA

IMDG / IMO

Contact the preparer for further information. Contact the preparer for further information.

15. REGULATORY INFORMATION

International Inventories

TSCA: United States DSL: Canada

Yes - 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:

Chemical Name	CAS-No	Weight % (max)	NPRI Parts 1-4
Xylene	1330-20-7	7 - 13%	Listed
Ethyl benzene	100-41-4	1 - 5%	Listed
Cobalt bis(2-ethylhexanoate)	136-52-7	0.1 - 0.25%	Listed

NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

<u>Chemical Name</u> Xylene	<u>CAS-No</u> 1330-20-7	<u>Weight % (max)</u> 7 - 13%	<u>NPRI Part 5</u> Listed
Distillates, petroleum, hydrotreated	64742-47-8	1 - 5%	Listed
light Stoddard solvent	8052-41-3	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.

16. OTHER INFORMATION

HMIS - Health: 2* HMIS Legend	Flammability: 3	Reactivity: 0	PPE: -
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

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Reason For Revision	Not available

Disclaimer

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END OF SAFETY DATA SHEET