



Revision Date: 04-Apr-2022

Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

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

Manufactured For

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

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 1-866-708-9180 www.benjaminmoore.com/Corotech

COROTECH DTM MASTIC URETHANE GLOSS - TINTABLE WHITE

V570-86FR A57086 FINISH COATING All Industrial paint No information available

> Emergency Telephone CHEMTREC: +1 703-741-5970 / 1-800-424-9300 +1 703-527-3887 (outside US & Canada) CANUTEC: 613-996-6666 (Transport Emergency Only)

2. HAZARDS IDENTIFICATION

Classification

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

| Skin sensitization | Category 1A |
|--|-------------|
| Carcinogenicity | Category 1A |
| Reproductive toxicity | Category 2 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Flammable liquids | Category 3 |

Label elements

Danger

Hazard statements

May cause an allergic skin reaction May cause cancer Suspected of damaging fertility or the unborn child May cause damage to organs through prolonged or repeated exposure Flammable liquid and vapor



Appearance liquid

Odor solvent

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 Contaminated work clothing should not be allowed out of the workplace Wear protective gloves Do not breathe dust/fume/gas/mist/vapors/spray Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention **Skin**

If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower 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

Other information

No information available

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.

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% | - | - |
| 2-Heptanone | 110-43-0 | 10 - 30% | - | - |
| Barium sulfate | 7727-43-7 | 7 - 13% | - | - |
| n-Butyl acetate | 123-86-4 | 1 - 5% | - | - |
| Silica amorphous | 7631-86-9 | 1 - 5% | - | - |
| Xylene | 1330-20-7 | 1 - 5% | - | - |
| Ethyl benzene | 100-41-4 | 0.25 - 0.5% | - | - |
| Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-pip eridinyl) ester | 41556-26-7 | 0.25 - 0.5% | - | - |
| Silica, crystalline | 14808-60-7 | 0.1 - 0.25% | - | - |
| 2-(Hydroxyethyl)Methacrylate | 868-77-9 | 0.1 - 0.25% | - | - |
| Trimethylolpropane | 77-99-6 | 0.1 - 0.25% | - | - |

Confidential Business Information note *The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID 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 while 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. |

Most Important Symptoms/Effects

Notes To Physician

Consult a physician.

Use personal protective equipment.

May cause allergic skin reaction.

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) Method | 98 37 PMCC | |
| Flammability Limits In Air | | |
| Lower flammability limit: Upper flammability limit: | Not available Not available | |
| NFPA Health: 2 Flammability: 3 | 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 | 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. 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. |
| Environmental precautions | See Section 12 for additional Ecological Information. |
| Methods for Cleaning Up | 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.

Incompatible Materials

Incompatible with strong acids and bases and strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

| Chemical name | ACGIH TLV | Alberta | British Columbia | Ontario | Quebec |
|---------------------|--|--|---------------------------------|---------------------------------|--|
| Titanium dioxide | TWA: 10 mg/m ³ | 10 mg/m³ - TWA | 10 mg/m³ - TWA 3 mg/m³ - TWA | 10 mg/m³ - TWA | 10 mg/m³ - TWAEV |
| 2-Heptanone | TWA: 50 ppm | 50 ppm - TWA 233 mg/m³ - TWA | 50 ppm - TWA | 25 ppm - TWA 115 mg/m³ - TWA | 50 ppm - TWAEV 233 mg/m ³ - TWAEV |
| Barium sulfate | TWA: 5 mg/m ³ inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica | 10 mg/m³ - TWA | 5 mg/m³ - TWA | 5 mg/m³ - TWA | 10 mg/m³ - TWAEV 5 mg/m³ - TWAEV |
| n-Butyl acetate | STEL: 150 ppm TWA: 50 ppm | 150 ppm - TWA 713 mg/m ³ - TWA 200 ppm - STEL 950 mg/m ³ - STEL | 20 ppm - TWA | 150 ppm - TWA 200 ppm - STEL | 150 ppm - TWAEV 713 mg/m ³ - TWAEV 200 ppm - STEV 950 mg/m ³ - STEV |
| Xylene | STEL: 150 ppm TWA: 100 ppm | 100 ppm - TWA 434 mg/m ³ - TWA 150 ppm - STEL 651 mg/m ³ - STEL | 100 ppm - TWA 150 ppm - STEL | 100 ppm - TWA 150 ppm - STEL | 100 ppm - TWAEV 434 mg/m ³ - TWAEV 150 ppm - STEV 651 mg/m ³ - STEV |
| Ethyl benzene | TWA: 20 ppm | 100 ppm - TWA 434 mg/m ³ - TWA 125 ppm - STEL 543 mg/m ³ - STEL | 20 ppm - TWA | 20 ppm - TWA | 100 ppm - TWAEV 434 mg/m ³ - TWAEV 125 ppm - STEV 543 mg/m ³ - STEV |
| Silica, crystalline | TWA: 0.025 mg/m ³ respirable particulate matter | 0.025 mg/m³ - TWA | 0.025 mg/m³ - TWA | 0.10 mg/m³ - TWA | 0.1 mg/m³ - 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. If splashes are likely to occur, wear: Tightly fitting safety goggles 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 (lbs/gal) **Specific Gravity** pН Viscosity (cps) Solubility(ies) 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) Method Flammability (solid, gas) Upper flammability limit: Lower flammability limit: Autoignition Temperature (°F) Autoignition Temperature (°C) Decomposition Temperature (°F) **Decomposition Temperature (°C)** Partition coefficient

liquid solvent No information available 11.4 - 11.8 1.37 - 1.41 No information available 75 - 85 60 - 70 15 - 25 30 - 40 < 250 223 106 No information available No information available 98 37 PMCC 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.

Possibility of hazardous reactions

None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

<u>Product Information</u> 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.

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 Skin contact | Contact with eyes may cause irritation. 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 vomiting may cause mild to severe pulmonary injury, possibly progressing to death. |
| Sensitization | May cause an allergic skin reaction. |
| Neurological Effects | No information available. |
| Mutagenic Effects | No information available. |
| Reproductive Effects | Possible risk of impaired fertility. Possible risk of harm to the unborn child. |
| Developmental Effects | No information available. |
| Target organ effects | No information available. |
| STOT - single exposure | May cause disorder and damage to the, Respiratory system, Central nervous system. |
| STOT - repeated exposure | Causes damage to organs through prolonged or repeated exposure if inhaled, Causes damage to organs through prolonged or repeated exposure. |
| Other adverse effects | No information available. |
| Aspiration Hazard | 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) | 7768 mg/kg |
|-------------------------------|------------|
| ATEmix (inhalation-dust/mist) | 9 mg/L |
| ATEmix (inhalation-vapor) | 70.9 mg/L |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|--|--|-----------------------|
| Titanium dioxide 13463-67-7 | > 10000 mg/kg (Rat) | - | - |
| 2-Heptanone 110-43-0 | = 1600 mg/kg (Rat) | = 12.6 mL/kg (Rabbit)= 12600 µL/kg (Rabbit) | >16.7 mg/L |
| Barium sulfate 7727-43-7 | = 307000 mg/kg(Rat) | - | - |
| n-Butyl acetate 123-86-4 | = 10768 mg/kg (Rat) | > 17600 mg/kg (Rabbit) | - |
| Silica amorphous 7631-86-9 | = 7900 mg/kg(Rat) | > 2000 mg/kg (Rabbit) | - |
| Xylene 1330-20-7 | = 3500 mg/kg (Rat) | > 4350 mg/kg (Rabbit) | = 29.08 mg/L (Rat)4 h |
| Ethyl benzene 100-41-4 | = 3500 mg/kg (Rat) | = 15400 mg/kg (Rabbit) | = 17.4 mg/L (Rat)4 h |
| Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidi nyl) ester 41556-26-7 | = 2615 mg/kg (Rat) | - | - |
| 2-(Hydroxyethyl)Methacrylate 868-77-9 | = 5050 mg/kg (Rat) | > 3000 mg/kg (Rabbit) | - |
| Trimethylolpropane 77-99-6 | = 14100 mg/kg (Rat) = 14000 mg/kg (Rat) | - | > 0.29 mg/L (Rat)4 h |

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 | |
| Titanium dioxide | | |
| | 2B - Possible Human Carcinogen | |
| Ethyl benzene | | |
| | 1 - Human Carcinogen | Known Human Carcinogen |
| Silica, crystalline | | - |

• 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."

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

There is no data for this product.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component Information

Acute Toxicity to Fish

<u>Titanium dioxide</u> LC50: > 1000 mg/L (Fathead Minnow - 96 hr.) <u>n-Butyl acetate</u> LC50: 18 mg/L (Fathead Minnow - 96 hr.) <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.)

Acute Toxicity to Aquatic Invertebrates

n-Butyl acetate

EC50: 72.8 mg/L (Daphnia magna - 48 hr.) <u>Ethyl benzene</u> EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

Acute Toxicity to Aquatic Plants

GLOSS - TINTABLE WHITE

<u>n-Butyl acetate</u> EC50: 674.7 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.) <u>Ethyl benzene</u> EC50: 4.6 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

13. DISPOSAL CONSIDERATIONS

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

Waste Disposal Method

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

14. TRANSPORT INFORMATION

TDG Pr

Proper Shipping Name Hazard class UN-No. Packing Group Description PAINT 3 UN1263 III UN1263, PAINT, 3, III

ICAO / IATA

Contact the preparer for further information.

IMDG / IMO

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-% | NPRI Parts 1-4 |
|---------------|-----------|-------------|----------------|
| Xylene | 1330-20-7 | 1 - 5% | Listed |
| Ethyl benzene | 100-41-4 | 0.25 - 0.5% | Listed |

NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

| Chemical name | CAS No. | Weight-% | NPRI Part 5 |
|-----------------|-----------|----------|-------------|
| n-Butyl acetate | 123-86-4 | 1 - 5% | Listed |
| Xylene | 1330-20-7 | 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* | Flammability: 3 | Reactivity: 0 | PPE: - |
| HMIS Legend 0 - Minimal Hazar 1 - Slight Hazard 2 - Moderate Haz 3 - Serious Hazar 4 - Severe Hazard * - Chronic Hazar | card rd d rd | | | |
| Note: The PPE ratir | | | | oloyees from the hazards the material will |

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 at

http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

Prepared By

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

| | 800-225-5554 |
|---------------------------------------|------------------------------|
| Issuing Date | 31-Mar-2022 |
| Revision Date: Reason for revision | 04-Apr-2022 Not available |

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of Safety Data Sheet