



SAFETY DATA SHEET

Revision Date: 05-Jun-2020

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name COROTECH COMMAND WATERBORNE ACRYLIC URETHANE
GLOSS BASE 3
Product Code V3903XFR
Alternate Product Code A3903X
Product Class Water thinned paint
Color All
Recommended use Paint
Restrictions on use No information available

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

Manufacturer
Benjamin Moore & Co.
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Montvale, NJ 07645
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Emergency Telephone
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification

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

| | |
|------------------------|-------------|
| Skin sensitization | Category 1A |
| Germ cell mutagenicity | Category 1B |
| Reproductive toxicity | Category 1B |

Label elements

Danger

Hazard statements

May cause an allergic skin reaction
 May cause genetic defects
 May damage fertility or the unborn child



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
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Skin

IF ON SKIN: Wash with plenty of soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

No information available

Other hazards

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 | 1 - 5% | - | - |

| | | | | |
|--|-------------|-------------|---|---|
| Dipropylene glycol monomethyl ether | 34590-94-8 | 1 - 5% | - | - |
| Zinc phosphate | 7779-90-0 | 0.5 - 1% | - | - |
| Alcohols, C12 - 14, ethoxylated | 68439-50-9 | 0.25 - 0.5% | - | - |
| Ammonium hydroxide | 1336-21-6 | 0.25 - 0.5% | - | - |
| Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy- | 104810-48-2 | 0.1 - 0.25% | - | - |
| Ammonia | 7664-41-7 | 0.1 - 0.25% | - | - |
| Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester | 10605-21-7 | 0.1 - 0.25% | - | - |
| Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxoprop | 104810-47-1 | 0.1 - 0.25% | - | - |
| Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester | 41556-26-7 | 0.1 - 0.25% | - | - |

*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

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. 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.

Ingestion

Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects

May cause allergic skin reaction.

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) | 250 |
| Flash Point (°C) | 121 |
| Method | PMCC |

Flammability Limits In Air

| | |
|----------------------------------|----------------|
| Lower flammability limit: | Not applicable |
| Upper flammability limit: | Not applicable |

NFPA **Health:** 2 **Flammability:** 1 **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 precautions See 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 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 | TWA: 10 mg/m ³ | 10 mg/m ³ - TWA | 10 mg/m ³ - TWA 3 mg/m ³ - TWA | 10 mg/m ³ - TWA | 10 mg/m ³ - TWAEV |
| Dipropylene glycol monomethyl ether | STEL: 150 ppm TWA: 100 ppm S* | 100 ppm - TWA 606 mg/m ³ - TWA 150 ppm - STEL 909 mg/m ³ - STEL Substance may be readily absorbed through intact skin | 100 ppm - TWA 150 ppm - STEL Skin absorption can contribute to overall exposure. | 100 ppm - TWA 150 ppm - STEL Danger of cutaneous absorption | 100 ppm - TWAEV 606 mg/m ³ - TWAEV 150 ppm - STEV 909 mg/m ³ - STEV Skin absorption can contribute to overall exposure. |
| Ammonia | STEL: 35 ppm TWA: 25 ppm | 25 ppm - TWA 17 mg/m ³ - TWA 35 ppm - STEL 24 mg/m ³ - STEL | 25 ppm - TWA 35 ppm - STEL | 25 ppm - TWA 35 ppm - STEL | 25 ppm - TWAEV 17 mg/m ³ - TWAEV 35 ppm - STEV 24 mg/m ³ - STEV |

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

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

liquid

Odor

little or no odor

Odor Threshold

No information available

Density (lbs/gal)

8.95 - 9.05

Specific Gravity

1.07 - 1.09

pH

No information available

| | |
|--------------------------------|--------------------------|
| Viscosity (cps) | No information available |
| Solubility(ies) | No information available |
| Water solubility | No information available |
| Evaporation Rate | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Wt. % Solids | 35 - 45 |
| Vol. % Solids | 30 - 40 |
| Wt. % Volatiles | 55 - 65 |
| Vol. % Volatiles | 60 - 70 |
| VOC Regulatory Limit (g/L) | < 150 |
| Boiling Point (°F) | 212 |
| Boiling Point (°C) | 100 |
| Freezing point (°F) | 32 |
| Freezing Point (°C) | 0 |
| Flash point (°F) | 250 |
| Flash Point (°C) | 121 |
| Method | PMCC |
| Flammability (solid, gas) | Not applicable |
| Upper flammability limit: | Not applicable |
| Lower flammability limit: | Not applicable |
| Autoignition Temperature (°F) | No information available |
| Autoignition Temperature (°C) | No information available |
| Decomposition Temperature (°F) | No information available |
| Decomposition Temperature (°C) | No information available |
| Partition coefficient | No 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. |
| Inhalation | May cause irritation of respiratory tract. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Sensitization | May cause an allergic skin reaction. |
| Neurological Effects | No information available. |
| Mutagenic Effects | Suspected of causing genetic defects. |
| Reproductive Effects | May damage fertility or the unborn child. |
| Developmental Effects | No information available. |
| Target organ effects | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Other adverse effects | No information available. |
| Aspiration Hazard | No information available. |

Numerical measures of toxicity

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

| | |
|--------------------------------------|-------------|
| ATEmix (oral) | 80084 mg/kg |
| ATEmix (inhalation-dust/mist) | 307.4 mg/L |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|--|---|------------------------|
| Titanium dioxide 13463-67-7 | > 10000 mg/kg (Rat) | - | - |
| Dipropylene glycol monomethyl ether 34590-94-8 | = 5.35 g/kg (Rat) | = 9500 mg/kg (Rabbit) | - |
| Zinc phosphate 7779-90-0 | > 5000 mg/kg (Rat) | - | - |
| Ammonium hydroxide 1336-21-6 | = 350 mg/kg (Rat) | - | - |
| Ammonia 7664-41-7 | = 350 mg/kg (Rat) | - | = 2000 ppm (Rat) 4 h |
| Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7 | > 5050 mg/kg (Rat) = 6400 mg/kg (Rat) | > 10000 mg/kg (Rabbit) = 2 g/kg (Rat) = 8500 mg/kg (Rabbit) | - |
| Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidi nyl) ester 41556-26-7 | = 2615 mg/kg (Rat) | - | - |

Chronic Toxicity

Carcinogenicity

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

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

• 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

Titanium dioxide

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

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester

LC50: 1.5 mg/L (Rainbow Trout - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester
LC50: 0.22 mg/L (water flea - 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.

14. TRANSPORT INFORMATION

TDG

Not regulated

ICAO / IATA

Not regulated

IMDG / IMO

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States

Yes - All components are listed or exempt.

DSL: Canada

No - Not all of the components are listed.
One or more component is listed on NDSL.

National Pollutant Release Inventory (NPRI)

NPRI Parts 1- 4

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

Chemical name

Ammonia

CAS No.

7664-41-7

Weight-%

0.1 - 0.25%

NPRI Parts 1- 4

Listed

NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

None

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

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End of Safety Data Sheet