

Revision Date: 28-Nov-2012 Revision Number: 10

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name COROTECH RAPID DRY GLOSS COATING

Product Code V220-SERIES

Product Class SOLVENT THINNED PAINT

Color All

Manufacturer Emergency Telephone Number(s)

Complementary Coatings Corp. CHEMTREC: 800-424-9300

Complementary Coatings Corp. dba Insl-X
101 Paragon Drive

Montvale, NJ 07645 Phone: (800)-225-5554

www.insl-x.com

2. COMPOSITION INFORMATION ON COMPONENTS

Hazardous Components

Chemical Name	CAS-No	Weight % (max)	
t-Butyl acetate	540-88-5	30	
Limestone	1317-65-3	30	
Titanium dioxide	13463-67-7	25	
Talc	14807-96-6	20	
Xylene	1330-20-7	15	
Solvent naphtha, petroleum, light aromatic	64742-95-6	15	
Kaolin	1332-58-7	10	
C.I. Pigment Orange 5	3468-63-1	10	
1,2,4-Trimethylbenzene	95-63-6	10	
Iron oxide	1309-37-1	5	
Diatomaceous earth	61790-53-2	5	
Ethyl benzene	100-41-4	5	
n-Butyl acetate	123-86-4	5	
Silica, crystalline	14808-60-7	5	
Sunflower oil	8001-21-6	5	
Pigment Orange 34	15793-73-4	5	
Propylene glycol monomethyl ether acetate	108-65-6	5	
Methyl alcohol	67-56-1	5	
Carbon black	1333-86-4	5	
Silica, amorphous	7631-86-9	5	
Cobalt bis(2-ethylhexanoate)	136-52-7	0.5	

3. HAZARDS IDENTIFICATION

Emergency Overview DANGER

Flammable. Vapors may cause flash fire. Harmful if swallowed. Vapor harmful. Harmful by inhalation. Vapors may be irritating to eyes, nose, throat, and lungs. May cause skin irritation and/or dermatitis.

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. IMPORTANT: If modifiers are added to the paint to enhance performance, the mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

Appearance liquid Odor solvent

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication

Standard (29 CFR 1910.1200).

Potential Health Effects

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

Acute Effects

Eyes Avoid contact with eyes. Contact with eyes may cause irritation.

Skin Avoid contact with skin. May cause skin irritation and/or dermatitis. May be absorbed

through the skin in harmful amounts.

Inhalation Avoid breathing vapors or mists. Harmful by inhalation. Irritating to respiratory

system. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and

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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.

Chronic Effects Avoid repeated exposure. Prolonged exposure may cause chronic effects. May

cause kidney damage. May cause liver damage.

Contains Pigment Orange 34 which can cause cancer. Risk of cancer depends on

duration and level of exposure.

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.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions None known

HMIS Health: 2* Flammability: 3 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 choosen 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.

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. Call a physician immediately.

Skin ContactWash off immediately with soap and plenty of water removing all contaminated

clothes and shoes. If skin irritation persists, call a physician.

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.

Immediate medical attention is required.

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.

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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.

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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

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lead to release of irritating gases and vapors.

Sensitivity To Mechanical Impact No

Sensitivity To Static Discharge Yes

Flash Point Data

Flash Point (°F) 80
Flash Point (°C) 27
Flash Point Method PMCC

Flammability Limits In Air

Lower Explosion LimitNot availableUpper Explosion LimitNot 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.

Environmental Precautions 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.

Methods For Clean-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.

Other Information None known

7. HANDLING AND STORAGE

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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 buildup by providing adequate ventilation during and after use.

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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.

Technical measures/Precautions Ensure adequate ventilation. Use only where airflow will keep vapors from building up in or near the work area in adjoining rooms. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing and disposal of flammable liquids.

> Dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. All equipment should be non-sparking and explosion proof. Use explosion proof electrical equipment for ventilation, lighting and material handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Hazardous Components

Chemical Name	ACGIH	OSHA	
t-Butyl acetate	200 ppm - TWA	200 ppm - TWA	
		950 mg/m³ - TWA	
Limestone	N/E	15 mg/m ³ - TWA total	
		5 mg/m ³ - TWA	
Titanium dioxide	10 mg/m³ - TWA	15 mg/m ³ - TWA total	
Talc	2 mg/m³ - TWA	20 mppcf - TWA	
Xylene	100 ppm - TWA	100 ppm - TWA	
	150 ppm - STEL	435 mg/m ³ - TWA	
Solvent naphtha, petroleum, light aromatic	N/E	N/E	
Kaolin	2 mg/m³ - TWA	15 mg/m ³ - TWA total	
	-	5 mg/m ³ - TWA	
C.I. Pigment Orange 5	N/E	N/E	
1,2,4-Trimethylbenzene	N/E	N/E	
Iron oxide	5 mg/m³ - TWA	10 mg/m³ - TWA	
Diatomaceous earth	N/E	- (80)/(% SiO2) mg/m³ TWA	
		20 mppcf - TWA	
Ethyl benzene	20 ppm - TWA	100 ppm - TWA	
		435 mg/m ³ - TWA	

n-Butyl acetate	150 ppm - TWA	150 ppm - TWA
,	200 ppm - STEL	710 mg/m ³ - TWA
Silica, crystalline	0.025 mg/m ³ - TWA	respirable - (10)/(%SiO2 + 2) mg/m³ TWA
		respirable - (250)/(%SiO2 + 5) mppcf
		TWA
		total dust $- (30)/(\%SiO2 + 2) \text{ mg/m}^3 \text{ TWA}$
Sunflower oil	N/E	N/E
Pigment Orange 34	N/E	N/E
Propylene glycol monomethyl ether acetate	N/E	N/E
Methyl alcohol	200 ppm - TWA	200 ppm - TWA
	250 ppm - STEL	260 mg/m ³ - TWA
	Skin	_
Carbon black	3.5 mg/m ³ - TWA	3.5 mg/m ³ - TWA
Silica, amorphous	N/E	- (80)/(% SiO2) mg/m ³ TWA
·		20 mppcf - TWA
Cobalt bis(2-ethylhexanoate)	N/E	N/E

Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration 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. If splashes are likely to occur, wear:. Tightly fitting

safety goggles. Face-shield.

Skin Protection Long sleeved clothing. Protective gloves.

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

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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. When using do not eat, drink or

smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid Odor solvent Density (lbs/gal) 8.0 - 11.7**Specific Gravity** 0.95 - 1.41pН Not available Viscosity (centistokes) Not available **Evaporation Rate** Not available **Vapor Pressure** Not available **Vapor Density** Not available Wt. % Solids 40 - 70 Vol. % Solids 30 - 50Wt. % Volatiles 30 - 60 Vol. % Volatiles 50 - 70 **VOC Regulatory Limit (g/L)** < 575

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F) 148.5 **Boiling Point (°C)** 64.7

Freezing Point (°F) Not available Freezing Point (°C) Not available

Flash Point (°F) 80
Flash Point (°C) 27
Flash Point Method PMCC

Upper Explosion LimitNot availableLower Explosion LimitNot available

10. STABILITY AND REACTIVITY

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.

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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

Acute Toxicity

Product

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.

Component

Limestone

LD50 Oral: 6,450 mg/kg (Rat) vendor data Sensitization: No sensitizing effects known.

Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat) LD50 Dermal: > 10000 mg/m³ (Rabbit)

LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)

Xylene

LD50 Oral: 4300 mg/kg (Rat)

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LD50 Dermal: > 1700 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hr.) Sensitization: No sensitizing effects known.

Solvent naphtha, petroleum, light aromatic

LD50 Oral: 8400 mg/kg (Rat)

Kaolin

LD50 Oral: > 5000 mg/kg (Rat)

1,2,4-Trimethylbenzene

LD50 Oral: 5000 mg/kg (Rat)

LC50 Inhalation (Vapor): 18000 mg/m³ (Rat, 4 hr.)

Iron oxide

LD50 Oral: > 5000 mg/kg (Rat) vendor data

Ethyl benzene

LD50 Oral: 3500 mg/kg (Rat)

LD50 Dermal: > 5000 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 55000 mg/m³ (Rat, 2 hr.)

Sensitization: No sensitizing effects known.

n-Butyl acetate

LD50 Oral: 10768 mg/kg (Rat)

LD50 Dermal: > 17600 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 390 ppm (Rat, 4 hr.) Sensitization: non-sensitizing (guinea pig)

Silica, crystalline

LD50 Oral: 500 mg/kg (Rat) vendor data

Propylene glycol monomethyl ether acetate

LD50 Oral: 8532 mg/kg (Rat)

LD50 Dermal: > 5000 mg/kg (Rabbit) LC50 Inhalation (Vapor): > 4345 ppm

Methyl alcohol

LD50 Oral: 5600 mg/kg (Rat)

LD50 Dermal: 15800 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 64000 ppm (Rat, 4 hr.)

Carbon black

LD50 Oral: > 15400 mg/kg (Rat) LD50 Dermal: > 3000 mg/kg (Rabbit)

Silica, amorphous

LD50 Oral: > 5000 mg/kg (Rat) LD50 Dermal: 2,000 mg/kg (Rabbit) LC50 Inhalation (Dust): > 2 mg/L

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Chronic Toxicity

Carcinogenicity

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

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen
Titanium dioxide		2B - Possible Human		Listed
Ethyl benzene	A3 - Confirmed Animal Carcinogen with Unknown	Carcinogen 2B - Possible Human Carcinogen		Listed
Silica, crystalline	Relevance to Humans A2 - Suspected Human	1 - Human Carcinogen	Known Human Carcinogen	Listed
	Carcinogen	1 - Human	Known Human	
Pigment Orange 34 Carbon black		Carcinogen 2B - Possible Human Carcinogen	Carcinogen	Listed
Cobalt bis(2-ethylhexanoate)		2B - Possible Human Carcinogen		

- 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

ACGIH - American Conference of Governmental Industrial Hygienists

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Product

Acute Toxicity to Fish

No information available

12. ECOLOGICAL INFORMATION

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Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

Component

Acute Toxicity to Fish

Titanium dioxide

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

Xylene

LC50: 13.5 mg/L (Rainbow Trout - 96 hr.)

Ethyl benzene

LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

n-Butyl acetate

LC50: 18 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Ethyl benzene

EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

n-Butyl acetate

EC50: 72.8 mg/L (Daphnia magna - 48 hr.)

Acute Toxicity to Aquatic Plants

Ethyl benzene

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

n-Butyl acetate

EC50: 674.7 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, 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

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DOT

Proper Shipping Name Paint (Mixture)

Hazard Class 3

UN-No UN1263 Packing Group III

ICAO / IATA Contact the preparer for further information.

IMDG / IMOContact the preparer for further information.

15. REGULATORY INFORMATION

International Inventories

United States TSCA

Yes - All components are listed or exempt.

No - Not all of the components are listed.

One or more component is listed on NDSL.

Federal Regulations

SARA 311/312 hazardous categorization

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight % (max)	
Xylene	1330-20-7	15	
1,2,4-Trimethylbenzene	95-63-6	10	
Ethyl benzene	100-41-4	5	
Methyl alcohol	67-56-1	5	

This product may contain trace amounts of (other) SARA reportable chemicals. Contact the preparer for further information.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

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Chemical Name	CAS-No	Weight % (max)	
Xylene	1330-20 -7	15	
Ethyl benzene	100-41-4	5	
Methyl alcohol	67-56-1	5	
Cobalt bis(2-ethylhexanoate)	136-52-7	0.5	

This product may contain trace amounts of (other) HAPs chemicals. Contact the preparer for further information.

State Regulations

California Proposition 65

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Louisiana	Rhode Island
t-Butyl acetate	X	Χ	Х		X
Limestone	X	Χ	X		X
Titanium dioxide	X	Χ	Х		X
Talc	X	Χ	X		X
Xylene	X	Χ	X		X
Kaolin	X	Χ	X		X
1,2,4-Trimethylbenzene	X	Χ	X		
Iron oxide	X	Χ	X		X
Diatomaceous earth		Χ			X
Ethyl benzene	X	Χ	X		X
n-Butyl acetate	X	Χ	X		X
Silica, crystalline	X	Χ	X		X
Methyl alcohol	X	Χ	X		X
Carbon black	Х	Х	X		X
Silica, amorphous	X	Х	Х		
Cobalt bis(2-ethylhexanoate)		Х	Х		

Legend X - Listed

16. OTHER INFORMATION

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 contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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Prepared By Product Stewardship Department

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866-690-1961

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Disclaimer

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End of MSDS