

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 04.20.2020

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Revision date: 12.28.2021

Absco Quick Dry Penetrating Wood Finish - Royal Mahogany

SECTION 1: Identification

Product Identifier

Product Name: Absco Quick Dry Penetrating Wood Finish - Royal Mahogany

Product code: 30081, 30084

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Finishes, Coatings, and Related Materials

Uses Advised Against: Not determined or not applicable.

Reasons Why Uses Advised Against: Not determined or not applicable.

Manufacturer or Supplier Details

Manufacturer:

United States

Canlak Coatings

1999 Elizabeth Street

North Brunswick, New Jersey 089026316

(732)821-3200

<https://canlakcoatings.com>

Emergency Telephone Number:

United States

CHEMTREC

(703)527-3887 (24 HRS)

(800)424-9300

SECTION 2: Hazard(s) Identification

GHS Classification:

Skin irritation, category 2

Eye irritation, category 2A

Flammable liquids, category 3

Skin sensitization, category 1

Respiratory sensitization, category 1

Carcinogenicity, category 1B

Reproductive toxicity, category 1B

Specific target organ toxicity - single exposure, category 3, narcotic effects

Label elements

Hazard Pictograms:



Signal Word: Danger

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Hazard statements:

- H226 Flammable liquid and vapor
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H317 May cause an allergic skin reaction
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H350 May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
- H360 May damage fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
- H336 May cause drowsiness or dizziness

Precautionary Statements:

- P264 Wash skin thoroughly after handling
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P233 Keep container tightly closed
- P240 Ground/bond container and receiving equipment
- P241 Use explosion-proof electrical/ ventilating/ lighting/.../ equipment
- P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P272 Contaminated work clothing must not be allowed out of the workplace
- P284 Wear respiratory protection
- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P271 Use only outdoors or in a well-ventilated area
- P302+P352 IF ON SKIN: Wash with plenty of water/ ...
- P321 Specific treatment (see ... on this label)
- P332+P313 If skin irritation occurs: Get medical advice/attention
- P362 Take off contaminated clothing and wash it before reuse
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337+P313 If eye irritation persists: Get medical advice/attention
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- P370+P378 In case of fire: Use ... to extinguish
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention
- P363 Wash contaminated clothing before reuse
- P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/ ...
- P308+P313 IF exposed or concerned: Get medical advice/attention
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P312 Call a POISON CENTER/doctor/.../if you feel unwell
- P403+P235 Store in a well-ventilated place. Keep cool
- P405 Store locked up
- P403+P233 Store in a well-ventilated place. Keep container tightly closed
- P501 Dispose of contents/container to...

Hazards Not Otherwise Classified: None

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SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 8052-41-3	Stoddard Solvent with < 0.1% Benzene content	<50
CAS Number: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	<50
CAS Number: 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	<2
CAS Number: 64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	<2
CAS Number: 22464-99-9	Zirconium 2-Ethylhexanoate	<1.5
CAS Number: 136-52-7	Cobalt bis(2-ethylhexanoate)	<1.5
CAS Number: 1047-16-1	5,12-dihydroquino[2,3-b]acridine-7,14-dione	<0.726
CAS Number: 64742-95-6	Solvent naphtha (petroleum), light arom.	<0.5
CAS Number: 108-88-3	Toluene	<3
CAS Number: 95-63-6	1, 2, 4-Trimethylbenzene	<5
CAS Number: 64742-88-7	Solvent naphtha (petroleum), medium aliphatic	<40
CAS Number: 8007-24-7	Cashew nutshell liquid	<0.2
CAS Number: 108-65-6	1-Methoxy-2-propanol acetate	<0.2
CAS Number: 872-50-4	1-methyl-2-pyrrolidone	<0.2
CAS Number: 96-29-7	Methyl ethyl ketoxime	<0.2
CAS Number: 111-84-2	Nonane	<5
CAS Number: 1330-20-7	Xylene	<5
CAS Number: 100-41-4	Ethyl Benzene	<2
CAS Number: 98-82-8	Cumene	<2

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CAS Number: 91-20-3	Naphthalene	<0.5
CAS Number: 71-43-2	Benzene	<0.5

Additional Information: None

SECTION 4: First Aid Measures

Description of First Aid Measures

General Notes:

Show this Safety Data Sheet to the doctor in attendance.

After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If exposed, seek medical advice/attention.

After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After Eye Contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After Swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

Skin contact may result in redness, pain, burning and inflammation.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing.

Product is flammable. Exposure to sources of ignition may cause physical injury.

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis.

Inhalation exposure may cause allergy, asthma symptoms or breathing difficulties. Symptoms may include cough, chronic phlegm, shortness of breath, wheezing and chest tightness. Symptoms may be delayed.

Inhalation may have adverse effects on the central nervous system. Symptoms may include drowsiness,

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dizziness, headache, nausea and lowering of consciousness. Acute overexposure via inhalation may result in respiratory distress, confusion and unconsciousness.

Delayed Symptoms and Effects:

Effects are dependent on exposure (dose, concentration, contact time).

Long term exposure may affect fertility. Symptoms include, but are not limited to: menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

Exposure may cause cancer. Effects are dependent on exposure (dose, concentration, contact time).

Immediate Medical Attention and Special Treatment

Specific Treatment:

Overexposure via inhalation requires urgent medical treatment.

Skin/eye burns require immediate treatment.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media:

Dry chemical, CO₂, water spray or alcohol-resistant foam.

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Fire-Fighting:

Flammable liquid. Will be easily ignitable by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation.

Thermal decomposition may produce irritating/toxic fumes/gases.

Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Evacuate non-essential personnel. Ventilate closed spaces before entering. Consider initial evacuation for 300 meters in all directions. If tank/rail car is involved in the fire, ISOLATE for 800 meters in all directions. Fight fire from a maximum distance. Move containers from fire area if you can do it without risk. Use water spray/fog for cooling fire exposed containers. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Stand by, at a safe distance, with extinguisher ready for possible re-ignition. A vapor-suppressing foam may be used to reduce vapors. Avoid unnecessary run-off of extinguishing media which may cause pollution. Do not handle damaged containers unless specialized to do so.

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

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SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. All equipment used when handling the product must be grounded. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. A vapor-suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating and lighting equipment. Take action to prevent static discharges. Handle containers with caution. Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages.

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Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Zirconium 2-Ethylhexanoate	22464-99-9	8-Hour TWA: 5 mg/m ³ (as Zr)
	Zirconium 2-Ethylhexanoate	22464-99-9	15-Minute STEL: 10 mg/m ³ (as Zr)
	1, 2, 4-Trimethylbenzene	95-63-6	8-Hour TWA: 25 ppm
	Cumene	98-82-8	8-Hour TWA: 50 ppm
	Toluene	108-88-3	TWA: 20 ppm
	Xylene	1330-20-7	8-Hour TWA: 100 ppm
	Xylene	1330-20-7	15-Minute STEL: 150 ppm
	Stoddard Solvent with < 0.1% Benzene content	8052-41-3	8-Hour TWA: 100 ppm
	Benzene	71-43-2	8-Hour TWA: 0.5 ppm
	Benzene	71-43-2	15-Minute STEL: 2.5 ppm
	Nonane	111-84-2	8-Hour TWA: 200 ppm
	2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	8-Hour TWA: 50 ppm
	Ethyl Benzene	100-41-4	8-Hour TWA: 20 ppm
	Naphthalene	91-20-3	8-Hour TWA: 52 mg/m ³ (10 ppm)
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	8-Hour TWA: 200 mg/m ³ (Kerosene (non-aerosol), as Total hydrocarbon vapor)
NIOSH	Zirconium 2-Ethylhexanoate	22464-99-9	REL: 5 mg/m ³ (as Zr)
	Zirconium 2-Ethylhexanoate	22464-99-9	STEL: 10 mg/m ³ (as Zr)
	Zirconium 2-Ethylhexanoate	22464-99-9	IDLH: 25 mg/m ³ (as Zr)
	1, 2, 4-Trimethylbenzene	95-63-6	REL: 25 ppm (10-hour workday)
	1, 2, 4-Trimethylbenzene	95-63-6	REL: 125 mg/m ³ (10-hour workday)
	Cumene	98-82-8	REL: 50 ppm (10-hour workday)
	Cumene	98-82-8	REL: 245 mg/m ³ (10-hour workday)
	Cumene	98-82-8	IDLH: 900 ppm
	Toluene	108-88-3	REL-TWA: 375 mg/m ³ (100 ppm [up to 10 hr])
	Toluene	108-88-3	STEL: 560 mg/m ³ (150 ppm)
	Xylene	1330-20-7	REL-TWA: 435 mg/m ³ (100 ppm [up to 10 hr])
	Xylene	1330-20-7	15-Minute STEL: 655 mg/m ³ (150 ppm)
	Xylene	1330-20-7	IDLH: 900 ppm
	Ethyl Benzene	100-41-4	REL-TWA: 435 mg/m ³ (100 ppm [10-hr])
	Ethyl Benzene	100-41-4	15-Minute STEL: 545 mg/m ³ (125 ppm)
	Naphthalene	91-20-3	REL-TWA: 50 mg/m ³ ([10 ppm] 10-hour workday)

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	Naphthalene	91-20-3	15-Minute STEL: 75 mg/m ³ (15 ppm)
	Stoddard Solvent with < 0.1% Benzene content	8052-41-3	Ceiling Limit: 1800 mg/m ³ (15-min)
	Stoddard Solvent with < 0.1% Benzene content	8052-41-3	IDLH: 20000 mg/m ³
	Stoddard Solvent with < 0.1% Benzene content	8052-41-3	REL: 350 mg/m ³
	Benzene	71-43-2	REL-TWA: 0.1 ppm (up to 10 hr)
	Benzene	71-43-2	STEL: 1 ppm
	Benzene	71-43-2	IDLH: 500 ppm
	Nonane	111-84-2	REL: 200 ppm
	Nonane	111-84-2	REL: 1050 mg/m ³
	2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	TWA: 50 ppm (REL - (for up to a 10 hour work day))
	2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	TWA: 240 mg/m ³ (REL - (for up to a 10 hour work day))
	2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	IDLH: 1800 ppm (10% of LEL)
	Ethyl Benzene	100-41-4	IDLH: 800 ppm
	1, 2, 4-Trimethylbenzene	95-63-6	REL: 125 mg/m ³ (25 ppm)
	Toluene	108-88-3	IDLH: 500 mg/m ³
	Naphtha (petroleum), hydrotreated heavy	64742-48-9	Ceiling Limit: 1800 mg/m ³ (petroleum distillates [15 min])
	Naphtha (petroleum), hydrotreated heavy	64742-48-9	REL-TWA: 350 mg/m ³ (petroleum distillates [up tp 10 hr])
	Naphthalene	91-20-3	IDLH: 250 ppm
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	IDLH: 1000 ppm (Naphtha [coal tar])
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	REL-TWA: 100 mg/m ³ (Kerosene, up to 10-hour day)
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	REL-TWA: 100 ppm (Naphtha [coal tar], up to 10-hour day)
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	REL-TWA: 400 mg/m ³ (Naphtha [coal tar], up to 10-hour day)
OSHA	Zirconium 2-Ethylhexanoate	22464-99-9	TWA: 5 mg/m ³ (as Zr)
	Zirconium 2-Ethylhexanoate	22464-99-9	PEL: 5 mg/m ³ (as Zr)
	Zirconium 2-Ethylhexanoate	22464-99-9	STEL: 10 mg/m ³ (as Zr)
	1, 2, 4-Trimethylbenzene	95-63-6	8-Hour TWA: 25 ppm
	1, 2, 4-Trimethylbenzene	95-63-6	8-Hour TWA: 125 mg/m ³
	Cumene	98-82-8	8-Hour TWA-PEL: 50 ppm
	Cumene	98-82-8	8-Hour TWA-PEL: 245 mg/m ³
	Toluene	108-88-3	8-Hour TWA: 200 ppm (Table Z-2)
	Toluene	108-88-3	Ceiling Limit: 300 ppm (Table Z-2)
	Toluene	108-88-3	Peak Exposure Limit Value: 500 ppm (for an 8 hr shift; duration: 10 minutes [Table Z-2])

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	Naphtha (petroleum), hydrotreated heavy	64742-48-9	8-Hour TWA-PEL: 2000 mg/m ³ (500 ppm [petroleum distillates] - A single TWA does not sufficiently cover this broad category. The concentration of benzene and other aromatic hydrocarbons should also be considered.)
	Xylene	1330-20-7	8-Hour TWA-PEL: 435 mg/m ³ (100 ppm)
	Ethyl Benzene	100-41-4	8-Hour TWA-PEL: 435 mg/m ³ (100 ppm)
	Naphthalene	91-20-3	8-Hour TWA: 50 mg/m ³ (10 ppm)
	Naphthalene	91-20-3	8-Hour TWA: 50 mg/m ³
	Stoddard Solvent with < 0.1% Benzene content	8052-41-3	PEL: 525 mg/m ³
	Stoddard Solvent with < 0.1% Benzene content	8052-41-3	PEL: 100 ppm
	Benzene	71-43-2	8-Hour TWA-PEL: 1 ppm
	Benzene	71-43-2	15-Minute STEL: 5 ppm
	Nonane	111-84-2	TWA: 200 ppm
	Nonane	111-84-2	TWA: 1050 mg/m ³
	2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	8-Hour TWA-PEL: 50 ppm
	2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	8-Hour TWA-PEL: 240 mg/m ³
	Toluene	108-88-3	TWA: 375 mg/m ³ (100 ppm; [Table Z-1-A])
	Toluene	108-88-3	STEL: 560 mg/m ³ (150 ppm; [Table Z-1-A])
	Benzene	71-43-2	8-Hour TWA: 0.5 ppm (Action level)
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	8-Hour TWA: 100 ppm (Naphtha)
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	8-Hour TWA: 400 mg/m ³ (Naphtha)
United States(California)	Cumene	98-82-8	8-Hour TWA: 50 ppm
	Cumene	98-82-8	8-Hour TWA: 245 mg/m ³
	Toluene	108-88-3	8-Hour TWA-PEL: 37 mg/m ³ (10 ppm)
	Toluene	108-88-3	15-Minute STEL: 560 mg/m ³ (150 ppm)
	Toluene	108-88-3	Ceiling Limit: 500 ppm
	Xylene	1330-20-7	8-Hour TWA-PEL: 435 mg/m ³ (100 ppm)
	Xylene	1330-20-7	15-Minute STEL: 635 mg/m ³ (150 ppm)
	Ethyl Benzene	100-41-4	8-Hour TWA-PEL: 425 mg/m ³ (100 ppm)
	Ethyl Benzene	100-41-4	15-Minute STEL: 545 mg/m ³ (125 ppm)
	Naphthalene	91-20-3	8-Hour TWA-PEL: 0.5 mg/m ³ (0.1 ppm)

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	Stoddard Solvent with < 0.1% Benzene content	8052-41-3	8-Hour TWA: 100 ppm
	Stoddard Solvent with < 0.1% Benzene content	8052-41-3	8-Hour TWA: 525 mg/m ³
	Benzene	71-43-2	8-Hour TWA-PEL: 1 ppm
	Benzene	71-43-2	15-Minute STEL: 5 ppm
	Nonane	111-84-2	8-Hour TWA: 200 ppm
	Nonane	111-84-2	8-Hour TWA: 1050 mg/m ³
	2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	8-Hour TWA: 50 ppm (OSHA (California))
	2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	8-Hour TWA: 240 mg/m ³ (OSHA (California))
	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 1 ppm
	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 4 mg/m ³
	1, 2, 4-Trimethylbenzene	95-63-6	8-Hour TWA: 25 ppm
	Toluene	108-88-3	REL: 37000 ug/m ³ (Acute inhalation)
	Toluene	108-88-3	REL: 300 ug/m ³ (Chronic inhalation)
	Naphtha (petroleum), hydrotreated heavy	64742-48-9	8-Hour TWA-PEL: 1600 mg/m ³ (400 ppm [petroleum distillates] - A single TWA does not sufficiently cover this broad category. The concentration of benzene and other aromatic hydrocarbons should also be considered.)
	Xylene	1330-20-7	PEL Ceiling: 300 ppm
	Benzene	71-43-2	8-Hour TWA: 0.5 ppm (Action level)
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	8-Hour TWA: 300 ppm (Naphtha)
	Solvent naphtha (petroleum), medium aliphatic	64742-88-7	15-Minute STEL: 400 ppm (Naphtha)
	1-Methoxy-2-propanol acetate	108-65-6	15-Minute STEL: 811 mg/m ³ (150 ppm)
	1-Methoxy-2-propanol acetate	108-65-6	8-Hour TWA-PEL: 541 mg/m ³ (100 ppm)
WEEL	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 10 ppm
	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 40 mg/m ³
	Methyl ethyl ketoxime	96-29-7	8-Hour TWA: 36 mg/m ³ (10 ppm)
	1-Methoxy-2-propanol acetate	108-65-6	TWA: 50 ppm

Biological Limit Values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
ACGIH	1-methyl-2-pyrrolidone	872-50-4	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	End of shift	100 mg/L
	Toluene	108-88-3	Toluene	Blood	Prior to last shift of work week	0.02 mg/L
	Toluene	108-88-3	o-Cresol, with hydrolysis	Creatinine in urine	End of shift	0.3 mg/g

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Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
	Toluene	108-88-3	Toluene	Urine	End of shift	0.03 mg/L
	Xylene	1330-20-7	Methylhippuric acids	Creatinine in urine	End of shift.	1.5 g/g
	Ethyl Benzene	100-41-4	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	End of shift.	0.15 g/g
	Naphthalene	91-20-3	1-Naphthol, with hydrolysis + 2-Naphthol, with hydrolysis	None	End of shift.	
	Benzene	71-43-2	S-Phenylmercapturic acid	Creatinine in urine	End of shift	25 µg/g
	Benzene	71-43-2	t,t-Muconic acid	Creatinine in urine	End of shift	500 µg/g

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal Protection Equipment

Eye and Face Protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

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Appearance	Dark Reddish Brown liquid
Odor	Mild
Odor threshold	N/A
pH	N/A
Melting point/freezing point	N/A
Initial boiling point/range	155°C
Flash point (closed cup)	>38°C
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper flammability/explosive limit	N/A
Lower flammability/explosive limit	0.75-1.2%
Vapor pressure	N/A
Vapor density	N/A
Density	0.89 +/- 0.02 g/cc
Relative density	0.89 +/- 0.02
Solubilities	N/A
Partition coefficient (n-octanol/water)	N/A
Auto/Self-ignition temperature	N/A
Decomposition temperature	N/A
Dynamic viscosity	N/A
Kinematic viscosity	N/A
Explosive properties	N/A
Oxidizing properties	N/A

SECTION 10: Stability and Reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical Stability:

Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Extreme heat, open flames, hot surfaces, sparks, ignition sources, static electricity and incompatible materials. Vapor accumulation in low or confined areas.

Incompatible Materials:

None known.

Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

Acute Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

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Substance Data:

Name	Route	Result
Cobalt bis(2-ethylhexanoate)	oral	LD50 Rat: 3129 mg/kg
	dermal	LD50 Rat: >2000 mg/kg
Zirconium 2-Ethylhexanoate	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Guinea pig: 6300 mg/kg
1, 2, 4-Trimethylbenzene	inhalation	LC50 Rat: 18,000 mg/m ³
	oral	LD50 Rat: 6000 mg/kg
	dermal	LD50 Rat: >3440 mg/kg
Cumene	oral	LD50 Rat: 2260 mg/kg
	dermal	LD50 Rabbit: > 3160 mg/kg
Toluene	oral	LD50 Rat: 5580 mg/kg
	dermal	LD50 Rabbit: 12,267 mg/kg
	inhalation	LC50 Rat: 25.7 mg/L (4 h [Vapor])
Xylene	dermal	LD50 Rabbit: 1700 mg/kg
	inhalation	LC50 Rat: 5100 ppmV (4 h)
	oral	LD50 Rat: 3523 mg/kg
Ethyl Benzene	inhalation	LC50 Rat: 17.36 mg/L (4 h [vapor])
	oral	LD50 Rat: 3500 mg/kg
	dermal	LD50 Rabbit: 15,400 mg/kg
Naphthalene	oral	LD50 Rat: 490 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
	inhalation	LC50 Rat: >0.4 mg/L (4 h (Vapor))
Stoddard Solvent with < 0.1% Benzene content	oral	LD50 Rat: > 5000 mg/kg
	inhalation	LC50 Rat: > 5.5 mg/L (4 h)
	dermal	LD50 Rabbit: >3000 mg/kg
Solvent naphtha (petroleum), medium aliphatic	oral	LD50 Rat: >5000 mg/kg
	inhalation	LC50 Rat: >5.28 mg/L (4 hours)
	dermal	LD50 Rabbit: >2000 mg/kg
Nonane	oral	LD50 Rat: 5000 mg/kg
	inhalation	LC50 Rat: 17.5 mg/L (4 hours)
	dermal	LD50 Rabbit: >2000 mg/kg
Cashew nutshell liquid	dermal	LD50 Rat: 2000 mg/kg
1-methyl-2-pyrrolidone	oral	LD50 Rat: 4150 mg/kg
	inhalation	LC50 Rat: >5.1 mg/L (4 hours)
	dermal	LD50 Rat: >5000 mg/kg
2-Pentanone, 4-hydroxy-4-methyl-	dermal	LD50 rabbit: 13500 mg/kg
	oral	LD50 rat: 2520 mg/kg

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Name	Route	Result
Methyl ethyl ketoxime	oral	LD50 Rat: 2326 mg/kg
	dermal	LD50 Rabbit: > 1000 mg/kg
	Dermal ATE	LD50 Rabbit: 1100 mg/kg
	Oral ATE	LD50 Rat: 100 mg/kg
	inhalation	LC50 Rat: > 4.83 mg/L (4 hr (vapor))
5,12-dihydroquino[2,3-b]acridine-7,14-dione	oral	LD50 Rat: >10000 mg/kg
	inhalation	LC50 Rat: >3.1 mg/L (4 hr (dust))
	dermal	LD50 Rat: >2000 mg/kg
1-Methoxy-2-propanol acetate	oral	LD50 Rat: 5155 mg/kg
	dermal	LD50 Rabbit: >5000 mg/kg
Naphtha (petroleum), hydrodesulfurized heavy	oral	LD50 Rat: > 5000 mg/kg
Naphtha (petroleum), hydrotreated heavy	oral	LD50 Rat: 4820 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
	inhalation	LC50 Rat: >5 mg/L (4 hr Aerosol)
Benzene	oral	LD50 Rat: 3306 mg/kg
	dermal	LD50 Rabbit: 8200 mg/kg
	inhalation	LC50 Rat: 44.66 mg/L (4 hr - Vapor)

Skin Corrosion/Irritation

Assessment:

Causes skin irritation.

Product Data:

No data available.

Substance Data:

Name	Result
1, 2, 4-Trimethylbenzene	Causes skin irritation.
Toluene	Causes skin irritation.
Xylene	Causes skin irritation.
Stoddard Solvent with < 0.1% Benzene content	Causes skin irritation.
Benzene	Causes skin irritation.
Nonane	Causes skin irritation.
Cashew nutshell liquid	Causes skin irritation.
1-methyl-2-pyrrolidone	Causes skin irritation.
Methyl ethyl ketoxime	Causes skin irritation.
Zirconium 2-Ethylhexanoate	Causes skin irritation.

Serious Eye Damage/Irritation

Assessment:

Causes serious eye irritation.

Product Data:

No data available.

Substance Data:

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Name	Result
1, 2, 4-Trimethylbenzene	Causes serious eye irritation.
Benzene	Causes serious eye irritation.
Cashew nutshell liquid	Causes serious eye damage
1-methyl-2-pyrrolidone	Causes serious eye irritation.
2-Pentanone, 4-hydroxy-4-methyl-	Causes serious eye irritation
Methyl ethyl ketoxime	Causes serious eye damage.
Stoddard Solvent with < 0.1% Benzene content	Causes serious eye irritation.

Respiratory or Skin Sensitization

Assessment:

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Product Data:

No data available.

Substance Data:

Name	Result
Cobalt bis(2-ethylhexanoate)	May cause an allergic skin reaction.
	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Cashew nutshell liquid	May cause an allergic skin reaction.
Methyl ethyl ketoxime	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

May cause cancer.

Product Data: No data available.

Substance Data:

Name	Species	Result
Naphtha (petroleum), hydrotreated heavy	Not applicable.	May cause cancer. Animals exposed to high levels of some petroleum products have developed liver and kidney tumors. Occupationally exposed people in the petroleum refining industry have an increased risk of skin cancer and leukemia.
Naphthalene		Suspected of causing cancer. Animal studies indicate an increased rate of respiratory tumors via inhalation.
Benzene		May cause cancer.
Solvent naphtha (petroleum), light arom.	Not applicable.	May cause cancer. Animals exposed to high levels of some petroleum products have developed liver and kidney tumors. Occupationally exposed people in the petroleum refining industry have an increased risk of skin cancer and leukemia.
Naphtha (petroleum), hydrodesulfurized heavy		May cause cancer.
Methyl ethyl ketoxime		May cause cancer.

International Agency for Research on Cancer (IARC):

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Name	Classification
Cumene	Group 2B
Toluene	Group 3
Benzene	Group 1
Naphtha (petroleum), hydrotreated heavy	Not Applicable
Solvent naphtha (petroleum), light arom.	Not Applicable
Cobalt bis(2-ethylhexanoate)	Group 2B
Zirconium 2-Ethylhexanoate	Not Applicable
1, 2, 4-Trimethylbenzene	Not Applicable
	Not Applicable
Xylene	Group 3
Ethyl Benzene	Group 2B
Naphthalene	Group 2B
Stoddard Solvent with < 0.1% Benzene content	Not Applicable
1-methyl-2-pyrrolidone	Not Applicable
2-Pentanone, 4-hydroxy-4-methyl-	Not Applicable
Methyl ethyl ketoxime	Not Applicable
5,12-dihydroquino[2,3-b]acridine-7,14-dione	Not Applicable
1-Methoxy-2-propanol acetate	Not Applicable
Naphtha (petroleum), hydrodesulfurized heavy	Not Applicable

National Toxicology Program (NTP):

Name	Classification
Cumene	Reasonably anticipated to be human carcinogens
Benzene	Known to be human carcinogens
Naphtha (petroleum), hydrotreated heavy	Not Applicable
Solvent naphtha (petroleum), light arom.	Not Applicable
Cobalt bis(2-ethylhexanoate)	Not Applicable
Zirconium 2-Ethylhexanoate	Not Applicable
1, 2, 4-Trimethylbenzene	Not Applicable
	Not Applicable
Toluene	Not Applicable
Xylene	Not Applicable
Ethyl Benzene	Not Applicable
Naphthalene	Reasonably anticipated to be human carcinogens
Stoddard Solvent with < 0.1% Benzene content	Not Applicable

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Name	Classification
1-methyl-2-pyrrolidone	Not Applicable
2-Pentanone, 4-hydroxy-4-methyl-	Not Applicable
Methyl ethyl ketoxime	Not Applicable
5,12-dihydroquino[2,3-b]acridine-7,14-dione	Not Applicable
1-Methoxy-2-propanol acetate	Not Applicable
Naphtha (petroleum), hydrodesulfurized heavy	Not Applicable

OSHA Carcinogens:

Ingredient Name	CAS	OSHA Carcinogens Status
Benzene	71-43-2	Yes

Germ Cell Mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
Naphtha (petroleum), hydrotreated heavy	May cause genetic defects.
Benzene	May cause genetic defects.
Solvent naphtha (petroleum), light arom.	May cause genetic defects.
Naphtha (petroleum), hydrodesulfurized heavy	May cause genetic defects.

Reproductive Toxicity

Assessment:

May damage fertility or the unborn child.

Product Data:

No data available.

Substance Data:

Name	Result
Zirconium 2-Ethylhexanoate	Suspected of damaging the unborn child (developmental toxicity) via oral exposure.
Toluene	Suspected of damaging the unborn child.
1-methyl-2-pyrrolidone	May damage fertility or the unborn child (developmental effects).

Specific Target Organ Toxicity (Single Exposure)

Assessment:

May cause drowsiness or dizziness.

Product Data:

No data available.

Substance Data:

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Name	Result
1, 2, 4-Trimethylbenzene	May cause respiratory irritation.
Cumene	May cause respiratory irritation to the upper respiratory tract via inhalation exposure.
Toluene	May cause drowsiness or dizziness.
Nonane	May cause drowsiness or dizziness.
1-methyl-2-pyrrolidone	May cause respiratory irritation.
1-Methoxy-2-propanol acetate	May cause dizziness or drowsiness.
Methyl ethyl ketoxime	May cause drowsiness or dizziness. Causes damage to the respiratory tract.

Specific Target Organ Toxicity (Repeated Exposure)

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
Toluene	May cause damage to organs (central nervous system; kidneys; liver) through prolonged or repeated exposure. Exposure to the substance may increase noise-induced hearing loss.
Stoddard Solvent with < 0.1% Benzene content	Causes damage to the Central Nervous System through prolonged or repeated exposure via inhalation.
Benzene	Causes damage to Haematopoietic system through prolonged or repeated inhalation and oral exposure.
Ethyl Benzene	May cause damage to organs (hearing; central nervous system) through prolonged or repeated exposure.
Naphtha (petroleum), hydrodesulfurized heavy	Causes damage to the central nervous system through prolonged or repeated exposure.
Solvent naphtha (petroleum), medium aliphatic	Causes damage to organs (Central Nervous System) through prolonged or repeated exposure
Methyl ethyl ketoxime	May cause damage to the blood system through prolonged or repeated exposure.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
1, 2, 4-Trimethylbenzene	May be fatal if swallowed and enters airways.
Cumene	May be fatal if swallowed and enters airways.
Toluene	May be fatal if swallowed and enters airways.
Naphtha (petroleum), hydrotreated heavy	May be fatal if swallowed and enters airways.
Ethyl Benzene	May be fatal if swallowed and enters airways.
Stoddard Solvent with < 0.1% Benzene content	May be fatal if swallowed and enters airways.

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Name	Result
Benzene	May be fatal if swallowed and enters airways.
Solvent naphtha (petroleum), medium aliphatic	May be fatal if swallowed and enters airways.
Nonane	May be fatal if swallowed and enters airways.
Solvent naphtha (petroleum), light arom.	May be fatal if swallowed and enters airways.
Naphtha (petroleum), hydrodesulfurized heavy	May be fatal if swallowed and enters airways.

Information on Likely Routes of Exposure:

No data available.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

No data available.

Other Information:

No data available.

SECTION 12: Ecological Information

Acute (Short-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Cobalt bis(2-ethylhexanoate)	Fish LC50 Onchorhynchus mykiss: 1.5 mg/L
1, 2, 4-Trimethylbenzene	Fish LC50 Pimephales promelas: 7.72 mg/L (96 hours)
Cumene	Fish LC50 Cyprinodon variegatus: 4.7 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 2.14 mg/L (48 hr)
	Aquatic Plants EC50 Desmodemus subspicatus: 1.29 mg/L (72 hr)
Naphtha (petroleum), hydrotreated heavy	Fish LC50 Onchorhynchus mykiss: 10 mg/L (96 H)
	Aquatic Invertebrates EC50 Daphnia magna: 4.5 mg/L (48 H)
	Aquatic Plants EC50 Green Algae: 3.3 mg/L (72 H)
	Fish LC50 Pimephales promelas: 8.2 mg/L (96 H)
Stoddard Solvent with < 0.1% Benzene content	Fish LC50 Onchorhynchus mykiss: 0.14 mg/L (96 hours)
Nonane	Fish LC50 Onchorhynchus mykiss: 1.125 mg/L (96 hours)
	Aquatic Invertebrates EC50 Daphnia magna: 0.2 mg/L (48 hours)
1-methyl-2-pyrrolidone	Fish LC50 Onchorhynchus mykiss: 500 mg/L (96 hours)
Methyl ethyl ketoxime	Fish LC50 Oryzias latipes: > 100 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 201 mg/L (48 hr)
	Aquatic Plants EC50 Scenedesmus capricornutum: 6.09 mg/L (72 hr)
5,12-dihydroquino[2,3-b]acridine-7,14-dione	Fish LC50 Danio rerio: >100 mg/L (96 hr)
1-Methoxy-2-propanol acetate	Fish LC50 Pimephales promelas: 130 mg/L (96 hours)
Naphthalene	Fish LC50 Onchorhynchus mykiss: 1.6 mg/L (96 h)
	Aquatic Invertebrates EC50 Daphnia magna: 2.16 mg/L (48 h)

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Name	Result
Xylene	Fish LC50 Freshwater fish: 2.6 mg/L (96 h)
	Aquatic Invertebrates EC50 Daphnia magna: 1.8 mg/L (48 h)
	Aquatic Plants EC50 Freshwater algae: 3.2 mg/L (72 h)
Ethyl Benzene	Fish LC50 Menidia menidia: 5.1 mg/L (96 h)
	Aquatic Invertebrates EC50 Daphnia magna: 1.8 - 2.4 mg/L (48 h)
	Aquatic Plants EC50 Skeletonema costatum: 4.9 mg/L (72 h)
2-Pentanone, 4-hydroxy-4-methyl-	Fish LC50 Oryzias latipes: >100 mg/L (96 h)

Chronic (Long-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Cobalt bis(2-ethylhexanoate)	Fish EC10 Cyprinodon variegatus: 31.8 mg/L
1, 2, 4-Trimethylbenzene	Fish NOEC Various: 0.396 mg/L (30 days)
Cumene	Fish NOEC D. rerio & P. promelas: 0.38 mg/L (28 d)
	Aquatic Invertebrates NOEC Daphnia magna: 0.35 mg/L (21 d)
	Aquatic Plants NOEC Desmodium subspicatum: 0.73 mg/L (72 h)
Stoddard Solvent with < 0.1% Benzene content	Fish NOEC Oncorhynchus mykiss: 0.02 mg/L (30 d)
Nonane	Fish NOEC Oncorhynchus mykiss: 0.252 mg/L (28 days)
	Aquatic Invertebrates NOEC Daphnia magna: 1 mg/L (21 days)
1-methyl-2-pyrrolidone	Aquatic Invertebrates NOEC Daphnia magna: 12.5 mg/L (21 days)
Methyl ethyl ketoxime	Fish NOEC Oryzias latipes: 50 mg/L (14 d)
	Aquatic Invertebrates NOEC Daphnia magna: >= 100 mg/L (21 d)
	Aquatic Plants NOEC Scenedesmus capricornutum: 1.02 mg/L (72 hr)
5,12-dihydroquino[2,3-b]acridine-7,14-dione	Fish NOEC Danio rerio: >=10 mg/L (28 d)
1-Methoxy-2-propanol acetate	Fish NOEC Oryzias latipes: 47.5 mg/L (14 days)
Naphthalene	Fish NOEC Oncorhynchus mykiss: 0.11 mg/L (4 d)
	Aquatic Invertebrates NOEC Estuarine copepod: 0.05 mg/L (10 d)
Naphtha (petroleum), hydrotreated heavy	Aquatic Invertebrates EC50 Daphnia magna: 10 mg/L (21 days)
	Fish LC50 Pimephales promelas: 5.2 mg/L (14 days)
Xylene	Fish NOEC Salmo gairdneri: >1.3 mg/L (56 d)
	Aquatic Invertebrates NOEC Ceriodaphnia dubia: 0.96 mg/L (7 d)
2-Pentanone, 4-hydroxy-4-methyl-	Aquatic Invertebrates NOEC Daphnia magna: 100 mg/L (21 d)

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Cobalt bis(2-ethylhexanoate)	Not readily biodegradable.
Zirconium 2-Ethylhexanoate	Readily biodegradable in water.

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Name	Result
1, 2, 4-Trimethylbenzene	Readily biodegradable, but failing 10-day window.
Cumene	Readily biodegradable in water (70% degradation in 20 days).
Toluene	Readily biodegradable in water.
Xylene	Readily biodegradable in water.
Stoddard Solvent with < 0.1% Benzene content	Readily biodegradable.
Benzene	Readily biodegradable.
Solvent naphtha (petroleum), medium aliphatic	Inherently biodegradable.
Nonane	Readily biodegradable
1-methyl-2-pyrrolidone	The substance is readily biodegradable (73% degradation in 28 days).
Methyl ethyl ketoxime	Inherently biodegradable (70% degradation after 18 days).
5,12-dihydroquino[2,3-b]acridine-7,14-dione	Not readily biodegradable (3.2% degradation after 28 days).
1-Methoxy-2-propanol acetate	Readily biodegradable.
Naphthalene	Inherently degradable.
Naphtha (petroleum), hydrodesulfurized heavy	Inherently biodegradable in water.
Ethyl Benzene	Readily biodegradable in water (70-80% degradation after 28 days).
2-Pentanone, 4-hydroxy-4-methyl-	Readily biodegradable (100% degradation after 14 days).

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
1, 2, 4-Trimethylbenzene	Substance not expected to bioaccumulate (calculated BCF: 243).
Cumene	Calculated BCF: 94.69 L/kg (low potential for bioconcentration is to be expected)
Toluene	BCF: 90
Xylene	BCF: >8.1 - <25.9
Stoddard Solvent with < 0.1% Benzene content	BCF: 39.66 L/Kg ww; Not considered to be bioaccumulative.
Nonane	BCF: 105
1-methyl-2-pyrrolidone	The substance has low potential for bioaccumulation (Log Kow: -0.38).
Methyl ethyl ketoxime	BCF: 5.8
1-Methoxy-2-propanol acetate	The substance has low potential for bioaccumulation (Log Kow: 1.2).
Naphthalene	Low bioaccumulation potential.
Ethyl Benzene	Not bioaccumulative. BCF: 110 L/kg
2-Pentanone, 4-hydroxy-4-methyl-	The substance is not expected to bioaccumulate (Log Kow: -0.340).

Mobility in Soil

Product Data: No data available.

Substance Data:

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Name	Result
1, 2, 4-Trimethylbenzene	Slightly Mobile (log Koc: 3.04)
Cumene	Moderately Mobile (Calculated log Koc: 2.946)
Toluene	Moderately Mobile (Calculated Koc: 205)
Xylene	Moderately Mobile (Log Koc: 2.73)
Stoddard Solvent with < 0.1% Benzene content	Koc at 20°C: 1451
Nonane	Log Koc: 2.90
1-methyl-2-pyrrolidone	Adsorption to the solid soil phase is not expected.
Naphthalene	Adsorption to soil materials to a moderate extent.

Results of PBT and vPvB assessment

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance Data:

PBT assessment:

1, 2, 4-Trimethylbenzene	This substance is not PBT.
Cumene	Substance is not PBT.
Stoddard Solvent with < 0.1% Benzene content	The substance is not PBT.
Benzene	Substance is not PBT.
Solvent naphtha (petroleum), medium aliphatic	This substance is not PBT.
Nonane	This substance is not PBT.
1-methyl-2-pyrrolidone	The substance is not PBT.
Methyl ethyl ketoxime	The substance is not PBT.
5,12-dihydroquino[2,3-b]acridine-7,14-dione	Substance is not PBT.
1-Methoxy-2-propanol acetate	Substance is not PBT.
Naphthalene	The substance is not PBT.
Naphtha (petroleum), hydrodesulfurized heavy	This substance is not PBT.
Naphtha (petroleum), hydrotreated heavy	The substance is not PBT.
Xylene	The substance is not PBT.
Ethyl Benzene	This substance is not PBT.
2-Pentanone, 4-hydroxy-4-methyl-	The substance is not PBT.

vPvB assessment:

1, 2, 4-Trimethylbenzene	This substance is not vPvB.
Cumene	Substance is not vPvB.
Stoddard Solvent with < 0.1% Benzene content	The substance is not vPvB.
Benzene	Substance is not vPvB.

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Solvent naphtha (petroleum), medium aliphatic	This substance is not vPvB.
Nonane	This substance is not vPvB.
1-methyl-2-pyrrolidone	The substance is not vPvB.
Methyl ethyl ketoxime	The substance is not vPvB.
5,12-dihydroquino[2,3-b]acridine-7,14-dione	Substance is not vPvB.
1-Methoxy-2-propanol acetate	Substance is not vPvB.
Naphthalene	The substance is not vPvB.
Naphtha (petroleum), hydrodesulfurized heavy	This substance is not vPvB.
Naphtha (petroleum), hydrotreated heavy	The substance is not vPvB.
Xylene	The substance is not vPvB.
Ethyl Benzene	This substance is not vPvB.
2-Pentanone, 4-hydroxy-4-methyl-	The substance is not vPvB.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal Methods:


Do not dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. Dispose of in accordance with local, state, and federal laws and regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport Information

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	UN1263
UN Proper Shipping Name	PAINT
UN Transport Hazard Class(es)	3 
Packing Group	III
Environmental Hazards	None
Special Precautions for User	None

SECTION 15: Regulatory Information

United States Regulations

Inventory Listing (TSCA): All ingredients are listed-active or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export Notification under TSCA Section 12(b):

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136-52-7	Cobalt bis(2-ethylhexanoate)	Not Listed
22464-99-9	Zirconium 2-Ethylhexanoate	Not Listed
95-63-6	1, 2, 4-Trimethylbenzene	Not Listed
98-82-8	Cumene	Not Listed
108-88-3	Toluene	Not Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Not Listed
1330-20-7	Xylene	Not Listed
100-41-4	Ethyl Benzene	Not Listed
91-20-3	Naphthalene	Not Listed
8052-41-3	Stoddard Solvent with < 0.1% Benzene content	Not Listed
71-43-2	Benzene	Not Listed
64742-88-7	Solvent naphtha (petroleum), medium aliphatic	Not Listed
111-84-2	Nonane	Listed
8007-24-7	Cashew nutshell liquid	Not Listed
872-50-4	1-methyl-2-pyrrolidone	Not Listed
64742-95-6	Solvent naphtha (petroleum), light arom.	Not Listed
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	Not Listed
96-29-7	Methyl ethyl ketoxime	Not Listed
1047-16-1	5,12-dihydroquino[2,3-b]acridine-7,14-dione	Not Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	Not Listed

SARA Section 302 Extremely Hazardous Substances: None of the ingredients are listed.

SARA Section 313 Toxic Chemicals:

95-63-6	1, 2, 4-Trimethylbenzene	Listed
98-82-8	Cumene	Listed
108-88-3	Toluene	Listed
1330-20-7	Xylene	Listed

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100-41-4	Ethyl Benzene	Listed
91-20-3	Naphthalene	Listed
71-43-2	Benzene	Listed
872-50-4	1-methyl-2-pyrrolidone	Listed

CERCLA:

98-82-8	Cumene	Listed	5000
108-88-3	Toluene	Listed	1000 lb
1330-20-7	Xylene	Listed	100 lb
100-41-4	Ethyl Benzene	Listed	1000
91-20-3	Naphthalene	Listed	100 lb
71-43-2	Benzene	Listed	10 Lbs

RCRA:

98-82-8	Cumene	Listed	U055
108-88-3	Toluene	Listed	U220
1330-20-7	Xylene	Listed	U239
100-41-4	Ethyl Benzene	Listed	F003
91-20-3	Naphthalene	Listed	U165
71-43-2	Benzene	Listed	U019

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

95-63-6	1, 2, 4-Trimethylbenzene	Listed
98-82-8	Cumene	Listed
108-88-3	Toluene	Listed
8052-41-3	Stoddard Solvent with < 0.1% Benzene content	Listed
71-43-2	Benzene	Listed
64742-88-7	Solvent naphtha (petroleum), medium aliphatic	Listed
111-84-2	Nonane	Listed
872-50-4	1-methyl-2-pyrrolidone	Listed
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed
91-20-3	Naphthalene	Listed

New Jersey Right to Know:

136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
98-82-8	Cumene	Listed
108-88-3	Toluene	Listed
8052-41-3	Stoddard Solvent with < 0.1% Benzene content	Listed
71-43-2	Benzene	Listed
64742-88-7	Solvent naphtha (petroleum), medium aliphatic	Listed
111-84-2	Nonane	Listed

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872-50-4	1-methyl-2-pyrrolidone	Listed
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed
91-20-3	Naphthalene	Listed

New York Right to Know:

136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
98-82-8	Cumene	Listed
108-88-3	Toluene	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Listed
8052-41-3	Stoddard Solvent with < 0.1% Benzene content	Listed
71-43-2	Benzene	Listed
64742-88-7	Solvent naphtha (petroleum), medium aliphatic	Listed
111-84-2	Nonane	Listed
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed
91-20-3	Naphthalene	Listed

Pennsylvania Right to Know:

136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
98-82-8	Cumene	Listed
108-88-3	Toluene	Listed
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Listed
8052-41-3	Stoddard Solvent with < 0.1% Benzene content	Listed
71-43-2	Benzene	Listed
64742-88-7	Solvent naphtha (petroleum), medium aliphatic	Listed
111-84-2	Nonane	Listed
872-50-4	1-methyl-2-pyrrolidone	Listed
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	Listed
95-63-6	1, 2, 4-Trimethylbenzene	Listed
1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed
91-20-3	Naphthalene	Listed

California Proposition 65:

⚠️WARNING: This product can expose you to chemicals including Cumene, Ethyl Benzene and Naphthalene; which are known to the State of California to cause cancer; and Toluene and 1-methyl-2-pyrrolidone, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠️WARNING: This product can expose you to Benzene; which is known to the State of California to

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cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Canlak Coatings assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Canlak Coatings assumes no responsibility for injury to vendor or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

NFPA: 2-2-1

HMIS: 2*-2-1

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Revision Notes:

Revision Date	Notes
2020-05-06	Version 04
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End of Safety Data Sheet