

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.13.2020

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Revision date: 06.18.2020

Absco Swedish Crown Semi-Gloss

SECTION 1: Identification

Product identifier

Product name: Absco Swedish Crown Semi-Gloss

Product code: PR21200501

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

Absolute Coatings

1999 Elizabeth Street

North Brunswick , New Jersey 089026316

(732)821-3200

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

Serious eye damage, category 1

Flammable liquids, category 2

Corrosive to metals, category 1

Skin sensitization, category 1

Carcinogenicity, category 1B

Specific target organ toxicity - single exposure, category 1

Specific target organ toxicity - single exposure, category 3, respiratory tract irritation

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

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapor

H290 May be corrosive to metals

H315 Causes skin irritation

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H318 Causes serious eye damage

H317 May cause an allergic skin reaction

H350 May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

H370 Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

H335 May cause respiratory irritation

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

P234 Keep only in original container

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P272 Contaminated work clothing must not be allowed out of the workplace

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P260 Do not breathe dust/fume/gas/mist/vapors/spray

P270 Do not eat, drink or smoke when using this product

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

P310 Immediately call a POISON CENTER/doctor/...

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

P390 Absorb spillage to prevent material-damage

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P363 Wash contaminated clothing before reuse

P308+P313 IF exposed or concerned: Get medical advice/attention

P307+P311 IF exposed: Call a POISON CENTER or doctor/physician

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

P406 Store in corrosive resistant/... container with a resistant inner liner

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: 71-36-3	n-Butanol	<15
CAS number: 7664-38-2	Phosphoric Acid	<2
CAS number: 1330-20-7	Xylene	<2
CAS number: 50-00-0	Formaldehyde	<0.12
CAS number: 67-63-0	Propan-2-ol	<6
CAS number: 64-17-5	Ethanol	<50
CAS number: 67-56-1	Methanol	<10
CAS number: 109-60-4	Propyl Acetate	<3
CAS number: 108-10-1	4-Methylpentan-2-one	<2
CAS number: 107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	<15
CAS number: 63148-65-2	Butvar B-98	<13

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.

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.

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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.

Immediately 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. Seek immediate medical attention, preferably from an ophthalmologist.

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, tearing, corneal damage and loss of vision.

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

Products that are corrosive to metals are often corrosive to the skin, eyes and the respiratory tract.

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

Causes damage to organs. Effects are dependent on exposure (dose, concentration, contact time).

Inhalation may have adverse effects on the respiratory tract. Symptoms may include cough, breathing difficulties, sore throat and inflammation of the mucous membrane lining the respiratory tract.

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

Exposure may cause cancer.

Immediate medical attention and special treatment

Specific treatment:

In case of eye contact, seek prompt medical attention while rinsing is continued.

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

If exhibiting symptoms of exposure, seek prompt medical attention.

If respiratory symptoms persist, seek medical attention.

Overexposure via inhalation requires urgent medical treatment.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

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

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

Unsuitable extinguishing media:

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Do not use water jet.

Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Highly 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.

Contact with metals may evolve flammable hydrogen gas. 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:

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.

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.

DO NOT GET WATER INSIDE CONTAINERS. 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.

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.

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). 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.

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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. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable corrosive resistant containers for future disposal. Do not get water in containers as reaction with water or moist air may release toxic, corrosive or flammable gases. 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.

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. Do not get in eyes. Avoid contact with skin 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.

Use appropriate personal protective equipment (see Section 8). Prevent skin contact. Do not get in eyes. Use only with adequate ventilation. Do not add water to the corrosive product. If it is necessary to mix a

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corrosive product with water, do so slowly adding the corrosive to cold water, in small amounts, and stir frequently. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use. Keep only in original packaging.

Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. 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). Store in cool, dry, well-ventilated location out of direct sunlight and away from exit paths. Store in a corrosion-resistant container with a resistant inner liner. Inspect containers and storage area regularly for signs of leak and damage. Store containers at a convenient height for handling, below eye level if possible. High shelving increases the risk of dropping containers, personal injury and exposure. Ensure that appropriate fire fighting and spill-clean up equipment is readily available. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Store separately. 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	n-Butanol	71-36-3	Peak Exposure Limit Value: 20 ppm
	Phosphoric Acid	7664-38-2	8-Hour TWA: 1 mg/m ³
	Phosphoric Acid	7664-38-2	15-Minute STEL: 3 mg/m ³
	Xylene	1330-20-7	TWA: 100 ppm
	Xylene	1330-20-7	STEL: 150 ppm
	Formaldehyde	50-00-0	15-Minute STEL: 0.3 ppm
	Formaldehyde	50-00-0	8-Hour TWA: 0.1 ppm
	Propan-2-ol	67-63-0	15-Minute STEL: 400 ppm
	Propan-2-ol	67-63-0	8-Hour TWA: 200 ppm
	Ethanol	64-17-5	15-Minute STEL: 1000 ppm
	Methanol	67-56-1	8-Hour TWA: 200 ppm
	Methanol	67-56-1	15-Minute STEL: 250 ppm
	Propyl Acetate	109-60-4	8-Hour TWA: 100 ppm
	Propyl Acetate	109-60-4	15-Minute STEL: 150 ppm
	4-Methylpentan-2-one	108-10-1	TWA: 20 ppm
	4-Methylpentan-2-one	108-10-1	STEL: 75 ppm
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	TWA: 50 ppm
1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	STEL: 100 ppm	
NIOSH	n-Butanol	71-36-3	Ceiling Limit: 50 ppm (150 mg/m ³)
	n-Butanol	71-36-3	IDLH: 1400 ppm

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Phosphoric Acid	7664-38-2	REL: 1 mg/m ³ (10 -hr)
	Phosphoric Acid	7664-38-2	STEL: 3 mg/m ³
	Phosphoric Acid	7664-38-2	IDLH: 1000 mg/m ³
	Xylene	1330-20-7	REL-TWA: 435 mg/m ³
	Xylene	1330-20-7	REL-TWA: 100 ppm
	Xylene	1330-20-7	STEL: 655 mg/m ³
	Xylene	1330-20-7	STEL: 150 ppm
	Formaldehyde	50-00-0	REL: 0.02 ppm
	Formaldehyde	50-00-0	Ceiling Limit: 0.1 ppm (15-minute)
	Formaldehyde	50-00-0	IDLH: 20 ppm
	Propan-2-ol	67-63-0	IDLH: 2000 ppm
	Propan-2-ol	67-63-0	15-Minute STEL: 500 ppm (1,225 mg/m ³)
	Propan-2-ol	67-63-0	REL-TWA: 400 ppm (980 mg/m ³ - up to 10 hrs.)
	Ethanol	64-17-5	REL-TWA: 1900 mg/m ³ (1000 ppm [up to 10 hr.])
	Ethanol	64-17-5	IDLH: 3300 ppm
	Methanol	67-56-1	REL-TWA: 260 mg/m ³ (200 ppm [for up to a 10-hour workday during a 40-hour workweek])
	Methanol	67-56-1	15-Minute STEL: 325 mg/m ³ (250 ppm)
	Methanol	67-56-1	IDLH: 6000 ppm
	Propyl Acetate	109-60-4	REL: 200 ppm ((10 hr) (840 mg/m ³))
	Propyl Acetate	109-60-4	STEL: 250 ppm (1050 mg/m ³)
	Propyl Acetate	109-60-4	IDLH: 1700 ppm
	4-Methylpentan-2-one	108-10-1	TWA: 50 ppm (up to 10 hr.)
	4-Methylpentan-2-one	108-10-1	TWA: 205 mg/m ³ (up to 10 hr.)
	4-Methylpentan-2-one	108-10-1	15-Minute STEL: 75 ppm
	4-Methylpentan-2-one	108-10-1	15-Minute STEL: 300 mg/m ³
	4-Methylpentan-2-one	108-10-1	IDLH: 500 ppm
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	TWA: 360 mg/m ³
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	TWA: 100 ppm
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	STEL: 540 mg/m ³
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	STEL: 150 ppm
United States	n-Butanol	71-36-3	PEL: 100 ppm (300 mg/m ³)
	n-Butanol	71-36-3	Ceiling Limit: 50 ppm (150 mg/m ³)
OSHA	Phosphoric Acid	7664-38-2	PEL: 1 mg/m ³

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Phosphoric Acid	7664-38-2	TWA: 1 mg/m ³
	Phosphoric Acid	7664-38-2	STEL: 3 mg/m ³
	Xylene	1330-20-7	8-Hour TWA-PEL: 435 mg/m ³
	Xylene	1330-20-7	8-Hour TWA-PEL: 100 ppm
	Xylene	1330-20-7	STEL: 150 ppm
	Xylene	1330-20-7	STEL: 655 mg/m ³
	Formaldehyde	50-00-0	TWA: 0.75 ppm
	Formaldehyde	50-00-0	STEL: 2 ppm
	Propan-2-ol	67-63-0	8-Hour TWA-PEL: 400 ppm (OSHA PEL TWA 980 mg/m ³)
	Ethanol	64-17-5	8-Hour TWA-PEL: 1900 mg/m ³ (1000 ppm)
	Methanol	67-56-1	8-Hour TWA-PEL: 260 mg/m ³ (200 ppm)
	Methanol	67-56-1	15-Minute STEL: 325 mg/m ³ (250 ppm)
	Propyl Acetate	109-60-4	PEL: 200 ppm ((840 mg/m ³) (Table Z-1))
	Propyl Acetate	109-60-4	TWA: 200 ppm ((840 mg/m ³) (Table Z-1-A))
	Propyl Acetate	109-60-4	STEL: 250 ppm ((1050 mg/m ³) (Table Z-1-A))
	4-Methylpentan-2-one	108-10-1	8-Hour TWA-PEL: 100 ppm
	4-Methylpentan-2-one	108-10-1	8-Hour TWA-PEL: 410 mg/m ³
United States(California)	Phosphoric Acid	7664-38-2	8-Hour TWA: 1 mg/m ³
	Phosphoric Acid	7664-38-2	15-Minute STEL: 3 mg/m ³
	Xylene	1330-20-7	8-Hour TWA-PEL: 100 ppm
	Xylene	1330-20-7	PEL-STEL: 150 ppm (15- minute)
	Xylene	1330-20-7	PEL Ceiling: 300 ppm
	Propan-2-ol	67-63-0	8-Hour TWA-PEL: 980 mg/m ³ (400 ppm - Cal/OSHA)
	Propan-2-ol	67-63-0	15-Minute STEL: 1225 mg/m ³ (500 ppm - Cal/OSHA)
	Ethanol	64-17-5	PEL: 1900 mg/m ³ (1000 ppm)
	Methanol	67-56-1	15-Minute STEL: 325 mg/m ³ (250 ppm)
	Methanol	67-56-1	PEL Ceiling: 1000 ppm
	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
	4-Methylpentan-2-one	108-10-1	8-Hour TWA-PEL: 205 mg/m ³ (Cal/OSHA)
	4-Methylpentan-2-one	108-10-1	15-Minute STEL: 300 mg/m ³ (Cal/OSHA)
	4-Methylpentan-2-one	108-10-1	8-Hour TWA-PEL: 205 mg/m ³ (Cal/OSHA)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	4-Methylpentan-2-one	108-10-1	15-Minute STEL: 75 ppm (Cal/OSHA)
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	TWA: 100 ppm (360 mg/m ³)
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	STEL: 150 ppm (540 mg/m ³)

Biological limit values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
United States	Xylene	1330-20-7	Methylhippuric acids		End of shift	1.5 g/g
ACGIH	Methanol	67-56-1	Methanol	Urine	End of Shift	15 mg/L
	4-Methylpentan-2-one	108-10-1	Methyl isobutyl ketone	Urine	End of shift	1 mg/L

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).

Use safety glasses with side shields or goggles. Consider the use of a face shield for splash protection.

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).

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Full body protection should be worn. 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

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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.

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

Appearance	Hazy liquid
Odor	Solvent
Odor threshold	N/A
pH	N/A
Melting point/freezing point	N/A
Initial boiling point/range	78.3°C
Flash point (closed cup)	> 10°C
Evaporation rate	Faster than water
Flammability (solid, gas)	LFL = 1.1-1.3% by volume
Upper flammability/explosive limit	N/A
Lower flammability/explosive limit	N/A
Vapor pressure	N/A
Vapor density	Heavier than air
Density	0.87 +/- 0.02 g/cc
Relative density	0.87 +/- 0.02

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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

Other information

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, static electricity and incompatible materials. Vapor accumulation in low or confined areas.

Avoid generation of aerosols and mists, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

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

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.

Substance data:

Name	Route	Result
n-Butanol	oral	LD50 Rat: 790 mg/kg
	inhalation	LC50 Mammal species unspecified: 28.4 mg/L
Phosphoric Acid	inhalation	LC50 Rat: 850 mg/kg (1 hr)
	oral	LD50 Rat: 1530 mg/kg
	dermal	LD50 Rabbit: 2740 mg/kg
Xylene	dermal	LD50 Rabbit: 1700 mg/kg
	inhalation	LC50 Rat: 5000 ppmV (4 h)
	oral	LD50 Mouse: 5251 mg/kg

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Name	Route	Result
Formaldehyde	oral	LD50 Rat: 100 mg/kg
	inhalation	LC50 Rat: <463 ppmV (4 hours)
	dermal	LD50 Rabbit: 279 mg/kg
Propan-2-ol	oral	LD50 Rabbit: 6410 mg/kg
	dermal	LD50 Rabbit: 12,800 mg/kg
	inhalation	LD50 Rabbit: 72.6 mg/L (4 H)
Ethanol	oral	LD50 Rat: 10,470 mg/kg
	inhalation	LC50 Rat: 116.9 mg/L (4 hr)
	dermal	LD50 Rabbit: 17,100 mg/kg
Propyl Acetate	oral	LD50 Rabbit: 6640 mg/kg
	dermal	LD50 Rabbit: > 17,800 mg/kg
	inhalation	LC50 Rat: 32 mg/L (4 h)
4-Methylpentan-2-one	inhalation	LC50 Mouse: 5688 ppmV
		LC50 Rat: 100,000 mg/m ³
	oral	LD50 Rat: 2080 mg/kg
dermal	LD50 Rabbit: >3000 mg/kg	
1-methoxy-2-propanol monopropylene glycol methyl ether	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >15800 mg/kg

Skin corrosion/irritation

Assessment:

Causes skin irritation.

Product data:

No data available.

Substance data:

Name	Result
n-Butanol	Causes skin irritation.
Phosphoric Acid	Causes severe skin burns.
Xylene	Causes skin irritation.
Formaldehyde	Causes severe skin burns.
Butvar B-98	Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye damage.

Product data:

No data available.

Substance data:

Name	Result
n-Butanol	Causes serious eye damage.
Phosphoric Acid	Causes serious eye damage.
Formaldehyde	Causes serious eye damage.

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Name	Result
Propan-2-ol	Causes serious eye irritation.
Propyl Acetate	Causes serious eye irritation.
4-Methylpentan-2-one	Causes serious eye irritation.
Butvar B-98	Causes serious eye irritation.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

Name	Result
Formaldehyde	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

May cause cancer.

Product data: No data available.

Substance data:

Name	Species	Result
Formaldehyde		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Xylene	Group 3
Formaldehyde	Group 1
Propan-2-ol	Group 3
Ethanol	Group 1
Methanol	Not Applicable
4-Methylpentan-2-one	Group 2B

National Toxicology Program (NTP):

Name	Classification
Formaldehyde	Known to be human carcinogens
Propan-2-ol	Not Applicable
Ethanol	Not Applicable
Methanol	Not Applicable
Xylene	Not Applicable
4-Methylpentan-2-one	Not Applicable

OSHA Carcinogens: Not applicable

Germ cell mutagenicity

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

Product data:

No data available.

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Substance data:

Name	Result
Formaldehyde	Suspected of causing genetic defects.

Reproductive toxicity

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

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment:

- Causes damage to organs.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.

Product data:

No data available.

Substance data:

Name	Result
n-Butanol	May cause drowsiness or dizziness
	May cause respiratory irritation.
Propan-2-ol	May cause drowsiness or dizziness.
Methanol	Causes damage to Optic nerve (nervus opticus), central nervous system.
Propyl Acetate	May cause drowsiness or dizziness via inhalation.
4-Methylpentan-2-one	May cause respiratory irritation.
1-methoxy-2-propanol monopropylene glycol methyl ether	May cause drowsiness or dizziness.
Butvar B-98	May cause respiratory irritation.

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
Phosphoric Acid	Repeated and/or prolonged exposure may have effects on the upper respiratory tract and lungs. This may result in chronic inflammation and reduced lung function .

Aspiration toxicity

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

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

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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
n-Butanol	EC50 Green algae: 225 mg/L (96 Hours)
	EC50 Daphnia magna: 1328 mg/L (48 Hours)
	LC50 Pimephales promelas: 1376 mg/L (96 Hours)
4-Methylpentan-2-one	LC50 Danio rerio: \geq 179 mg/L (96h)

Chronic (long-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
n-Butanol	NOEC Daphnia magna: 4.1 mg/L (21 Days)
4-Methylpentan-2-one	NOEC Daphnia magna: 30-35 mg/L (21d)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
n-Butanol	Readily biodegradable in water.
Phosphoric Acid	Readily biodegradable in water.
Xylene	Readily biodegradable in water.
Formaldehyde	Readily biodegradable.
Propan-2-ol	Readily biodegradable in water.
Ethanol	Readily biodegradable in water.
Methanol	Readily biodegradable (97% degradation after 20 days).
Propyl Acetate	Readily biodegradable in water.
4-Methylpentan-2-one	The substance is concluded to be readily biodegradable.
1-methoxy-2-propanol monopropylene glycol methyl ether	Readily biodegradable in water.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
n-Butanol	Calculated BCF: 2.16 ; Due to the low log Pow (1.0, see IUCLID chapter 4.7), accumulation in organisms is not to be expected.
Xylene	BCF: >8.1 - <25.9

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Name	Result
Formaldehyde	Accumulation in aquatic organisms is not to be expected.
Ethanol	Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
Methanol	Methanol does not significantly bioaccumulate in fish. Experimental BCFs of < 10 in fish species.
Propyl Acetate	This substance has a low potential for bioaccumulation based on log Kow <=3.
4-Methylpentan-2-one	No potential for bioaccumulation.
Propan-2-ol	Log Kow: 0.05
4-Methylpentan-2-one	Log Kow: 1.31

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
n-Butanol	Highly Mobile (Calculated log Koc: 0.54)
Xylene	Moderately Mobile (Log Koc: 2.73)
Formaldehyde	Adsorption to solid soil phase is possible.
Ethanol	Highly Mobile (Koc: 1)
Methanol	Highly mobile (Koc: 0.13 - 0.61 dimensionless).
Propyl Acetate	Mobile (Calculated log Koc: 1.008)

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:

Phosphoric Acid	The PBT criteria does not apply to inorganic substances.
Formaldehyde	Not a PBT substance.
Propan-2-ol	This substance is not PBT.
Ethanol	Substance is not PBT.
Methanol	This substance is not PBT.
Propyl Acetate	This substance is not PBT.
4-Methylpentan-2-one	The substance is not PBT.

vPvB assessment:

Phosphoric Acid	The vPvB criteria does not apply to inorganic substances.
Formaldehyde	Not a vPvB substance.
Propan-2-ol	This substance is not vPvB.
Ethanol	Substance is not vPvB.
Methanol	This substance is not vPvB.
Propyl Acetate	This substance is not vPvB.
4-Methylpentan-2-one	The substance is not vPvB.

Other adverse effects: No data available.

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SECTION 13: Disposal considerations

Disposal methods:


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. 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.

Contaminated packages:


Not determined or not applicable.

SECTION 14: Transport information


United States Transportation of dangerous goods (49 CFR DOT)

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

International Maritime Dangerous Goods (IMDG)

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

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 or exempt.

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

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances:

50-00-0	Formaldehyde	Listed
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SARA Section 313 toxic chemicals:

71-36-3	n-Butanol	Listed
7664-38-2	Phosphoric Acid	Listed
1330-20-7	Xylene	Listed
50-00-0	Formaldehyde	Listed
67-63-0	Propan-2-ol	Listed
64-17-5	Ethanol	Not Listed
67-56-1	Methanol	Listed
109-60-4	Propyl Acetate	Not Listed
108-10-1	4-Methylpentan-2-one	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Not Listed
63148-65-2	Butvar B-98	Not Listed

CERCLA:

71-36-3	n-Butanol	Listed	5000
7664-38-2	Phosphoric Acid	Listed	5000
1330-20-7	Xylene	Listed	100 lb
50-00-0	Formaldehyde	Listed	100 lbs
67-56-1	Methanol	Listed	5000 lbs
108-10-1	4-Methylpentan-2-one	Listed	5000 lb

RCRA:

71-36-3	n-Butanol	Listed	U031
1330-20-7	Xylene	Listed	U239
50-00-0	Formaldehyde	Listed	U122
67-56-1	Methanol	Listed	U154
108-10-1	4-Methylpentan-2-one	Listed	U161

Section 112(r) of the Clean Air Act (CAA):

50-00-0	Formaldehyde	Listed
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Massachusetts Right to Know:

71-36-3	n-Butanol	Listed
7664-38-2	Phosphoric Acid	Listed
1330-20-7	Xylene	Listed
50-00-0	Formaldehyde	Listed
67-63-0	Propan-2-ol	Listed
64-17-5	Ethanol	Listed
67-56-1	Methanol	Listed

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109-60-4	Propyl Acetate	Listed
108-10-1	4-Methylpentan-2-one	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
63148-65-2	Butvar B-98	Not Listed

New Jersey Right to Know:

71-36-3	n-Butanol	Listed
7664-38-2	Phosphoric Acid	Listed
1330-20-7	Xylene	Listed
50-00-0	Formaldehyde	Listed
67-63-0	Propan-2-ol	Listed
64-17-5	Ethanol	Listed
67-56-1	Methanol	Listed
109-60-4	Propyl Acetate	Listed
108-10-1	4-Methylpentan-2-one	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
63148-65-2	Butvar B-98	Not Listed

New York Right to Know:

71-36-3	n-Butanol	Listed
7664-38-2	Phosphoric Acid	Listed
1330-20-7	Xylene	Listed
50-00-0	Formaldehyde	Listed
67-63-0	Propan-2-ol	Listed
64-17-5	Ethanol	Listed
67-56-1	Methanol	Listed
109-60-4	Propyl Acetate	Listed
108-10-1	4-Methylpentan-2-one	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
63148-65-2	Butvar B-98	Not Listed

Pennsylvania Right to Know:

71-36-3	n-Butanol	Listed
7664-38-2	Phosphoric Acid	Listed
1330-20-7	Xylene	Listed
50-00-0	Formaldehyde	Listed
67-63-0	Propan-2-ol	Listed
64-17-5	Ethanol	Listed
67-56-1	Methanol	Listed
109-60-4	Propyl Acetate	Listed
108-10-1	4-Methylpentan-2-one	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed

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63148-65-2	Butvar B-98	Not Listed
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California Proposition 65:

⚠️WARNING: This product can expose you to Formaldehyde; which is known to the State of California to cause cancer; and Methanol, which is 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 4-Methylpentan-2-one; which is known to the State of California to 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. Absolute 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, Absolute 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: 3-3-1

HMIS: 3*-3-1

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Revision Notes:

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End of Safety Data Sheet