



SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier:** 110515 - PU Black Sealer 515  
**Other means of identification:**  
 Not applicable (N/A)
- 1.2 Recommended use of the chemical and restrictions on use:**  
 Relevant uses: Coatings for wood. For industrial user only.  
 Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**  
 Valresa Coatings, S.A.  
 Pol. Ind. Reva S-13 Avda. dels Grems s/n  
 46190 Riba-roja de Turia Valencia - Spain  
 Phone: +34 961669560  
 safety@valresa.com  
 www.valresa.com
- 1.4 Emergency phone number:** +1 772 284 5590 (Only available during office hours)

SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**NFPA:**  
 Health Hazards: 3  
 Flammability Hazards: 3  
 Instability Hazards: 0  
 Special Hazards: Not applicable (N/A)
- 29 CFR 1910.1200:**  
 Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.  
 Carc. 2: Carcinogenicity, Category 2, H351  
 Eye Irrit. 2A: Eye irritation, Category 2A, H319  
 Flam. Liq. 3: Flammable liquids, Category 3, H226  
 Skin Irrit. 2: Skin irritation, Category 2, H315  
 Skin Sens. 1A: Sensitisation, skin, Category 1A, H317  
 STOT RE 2: Specific target organ toxicity, repeated exposure, Category 2, H373  
 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
- 2.2 Label elements:**  
**NFPA:**
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- 29 CFR 1910.1200:**  
**Warning**
- 
- Hazard statements:**  
 Carc. 2: H351 - Suspected of causing cancer.  
 Eye Irrit. 2A: H319 - Causes serious eye irritation.  
 Flam. Liq. 3: H226 - Flammable liquid and vapour.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1A: H317 - May cause an allergic skin reaction.  
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.  
 STOT SE 3: H335 - May cause respiratory irritation.
- Precautionary statements:**

**SECTION 2: HAZARD(S) IDENTIFICATION (continued)**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.  
 P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.  
 P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

**Substances that contribute to the classification**

Reaction mass of ethylbenzene and xylene; Carbon black; maleic anhydride

**2.3 Hazards not otherwise classified (HNOC):**

Not applicable (N/A)

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances:**

Non-applicable

**3.2 Mixtures:**

**Chemical description:** Mixture composed of additives, aggregates and resins in solvents

**Components:**

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

Identification	Chemical name	Concentration
CAS: Non-applicable	<b>Reaction mass of ethylbenzene and xylene</b>	<b>25 - &lt;50 %</b>
CAS: 123-86-4	<b>N-butyl acetate</b>	<b>2,5 - &lt;5 %</b>
CAS: 108-65-6	<b>2-methoxy-1-methylethyl acetate</b>	<b>2,5 - &lt;5 %</b>
CAS: 78-93-3	<b>Butanone</b>	<b>1 - &lt;2,5 %</b>
CAS: 1333-86-4	<b>Carbon black</b>	<b>0,25 - &lt;1 %</b>
CAS: 85711-46-2	<b>Fatty acids, C14-18 and C16-18-unsatd., maleated</b>	<b>&lt;0,25 %</b>
CAS: 108-31-6	<b>maleic anhydride</b>	<b>&lt;0,25 %</b>

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**SECTION 4: FIRST-AID MEASURES**

**4.1 Description of necessary measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

**SECTION 4: FIRST-AID MEASURES (continued)**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms/effects, acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:**

Not applicable (N/A)

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

**Unsuitable extinguishing media:**

Water jet

**5.2 Specific hazards arising from the chemical:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Special protective equipment and precautions for fire-fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

**6.3 Methods and materials for containment and cleaning up:**

For accidental releases in excess of reportable quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802.

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Because the product is a flammable liquid, storage should meet the requirement of 29 CFR 1910.106, Flammable and Combustible Liquids Code. Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Minimum Temp.: 41 °F

Maximum Temp.: 95 °F

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Identification	Occupational exposure limits		
	8-hour TWA PEL		5 mg/m <sup>3</sup>
Limestone CAS: 1317-65-3	Ceiling Values - TWA PEL		
Ethyl acetate CAS: 141-78-6	8-hour TWA PEL	400 ppm	1400 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
Zinc distearate CAS: 557-05-1	8-hour TWA PEL		5 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
N-butyl acetate CAS: 123-86-4	8-hour TWA PEL	150 ppm	710 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	8-hour TWA PEL	100 ppm	435 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
Cumene <sup>(1)</sup>	8-hour TWA PEL	50 ppm	245 mg/m <sup>3</sup>

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Identification	Occupational exposure limits		
	8-hour TWA PEL	Ceiling Values - TWA PEL	
CAS: 98-82-8			
Xylene <sup>(1)</sup>	100 ppm		435 mg/m <sup>3</sup>
CAS: 1330-20-7			
Carbon black			3.5 mg/m <sup>3</sup>
CAS: 1333-86-4			
maleic anhydride	0.25 ppm		1 mg/m <sup>3</sup>
CAS: 108-31-6			
Xylene <sup>(1)</sup>	100 ppm		435 mg/m <sup>3</sup>
CAS: 1330-20-7			
Ethylbenzene <sup>(1)</sup>	100 ppm		435 mg/m <sup>3</sup>
CAS: 100-41-4			
2,6-dimethylheptan-4-one	50 ppm		290 mg/m <sup>3</sup>
CAS: 108-83-8			
phthalic anhydride	2 ppm		12 mg/m <sup>3</sup>
CAS: 85-44-9			
Toluene <sup>(1)</sup>	200 ppm		300 mg/m <sup>3</sup>
CAS: 108-88-3			
Butanone	200 ppm		590 mg/m <sup>3</sup>
CAS: 78-93-3			

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits		
	TLV-TWA	TLV-STEL	
Limestone			10 mg/m <sup>3</sup>
CAS: 1317-65-3			20 mg/m <sup>3</sup>
Ethyl acetate	150 ppm		
CAS: 141-78-6			
Talc			2 mg/m <sup>3</sup>
CAS: 14807-96-6			
Zinc distearate			10 mg/m <sup>3</sup>
CAS: 557-05-1			20 mg/m <sup>3</sup>
N-butyl acetate	20 ppm		
CAS: 123-86-4			
2-methoxypropyl acetate	20 ppm		
CAS: 70657-70-4		40 ppm	
2-methoxy-1-methylethyl acetate <sup>(1)</sup>	50 ppm		
CAS: 108-65-6		75 ppm	
Reaction mass of ethylbenzene and xylene	100 ppm		
CAS: Non-applicable		150 ppm	
Cumene <sup>(1)</sup>	25 ppm		
CAS: 98-82-8		75 ppm	
Xylene <sup>(1)</sup>	100 ppm		
CAS: 1330-20-7		150 ppm	
Carbon black			3 mg/m <sup>3</sup>
CAS: 1333-86-4			
maleic anhydride	0.1 ppm		
CAS: 108-31-6			
Xylene <sup>(1)</sup>	100 ppm		
CAS: 1330-20-7		150 ppm	
Ethylbenzene <sup>(1)</sup>	20 ppm		
CAS: 100-41-4			
2,6-dimethylheptan-4-one	25 ppm		
CAS: 108-83-8			
phthalic anhydride	1 ppm		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits		
CAS: 85-44-9	TLV-STEL		
Toluene <sup>(1)</sup> CAS: 108-88-3	TLV-TWA	20 ppm	
	TLV-STEL		
Butanone CAS: 78-93-3	TLV-TWA	50 ppm	
	TLV-STEL	100 ppm	

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

Identification	Occupational exposure limits		
Ethyl acetate CAS: 141-78-6	PEL	400 ppm	1400 mg/m <sup>3</sup>
	STEL		
Talc CAS: 14807-96-6	PEL		2 mg/m <sup>3</sup>
	STEL		
Zinc distearate CAS: 557-05-1	PEL		10 mg/m <sup>3</sup>
	STEL		
N-butyl acetate CAS: 123-86-4	PEL	150 ppm	710 mg/m <sup>3</sup>
	STEL	200 ppm	950 mg/m <sup>3</sup>
2-methoxy-1-methylethyl acetate <sup>(1)</sup> CAS: 108-65-6	PEL	100 ppm	541 mg/m <sup>3</sup>
	STEL	811 ppm	
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	PEL	100 ppm	435 mg/m <sup>3</sup>
	STEL	150 ppm	655 mg/m <sup>3</sup>
Cumene <sup>(1)</sup> CAS: 98-82-8	PEL	50 ppm	245 mg/m <sup>3</sup>
	STEL		
Xylene <sup>(1)</sup> CAS: 1330-20-7	PEL	100 ppm	435 mg/m <sup>3</sup>
	STEL	150 ppm	655 mg/m <sup>3</sup>
Carbon black CAS: 1333-86-4	PEL		3.5 mg/m <sup>3</sup>
	STEL		
maleic anhydride CAS: 108-31-6	PEL	0.1 ppm	0.4 mg/m <sup>3</sup>
	STEL		
Xylene <sup>(1)</sup> CAS: 1330-20-7	PEL	100 ppm	435 mg/m <sup>3</sup>
	STEL	150 ppm	655 mg/m <sup>3</sup>
Ethylbenzene <sup>(1)</sup> CAS: 100-41-4	PEL	5 ppm	22 mg/m <sup>3</sup>
	STEL	30 ppm	130 mg/m <sup>3</sup>
2,6-dimethylheptan-4-one CAS: 108-83-8	PEL	25 ppm	150 mg/m <sup>3</sup>
	STEL		
phthalic anhydride CAS: 85-44-9	PEL	1 ppm	6 mg/m <sup>3</sup>
	STEL		
Toluene <sup>(1)</sup> CAS: 108-88-3	PEL	10 ppm	37 mg/m <sup>3</sup>
	STEL	150 ppm	560 mg/m <sup>3</sup>

<sup>(1)</sup> Likely absorption through the skin

Biological limit values:

Biological Exposure Indices (BEIs®) - ACGIH

Identification	BEIs®	Determinant	Sampling Time
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	1500 mg/g (NULL)	Methylhippuric acids in urine	End of shift
Xylene CAS: 1330-20-7	1500 mg/g (NULL)	Methylhippuric acids in urine	End of shift
Xylene CAS: 1330-20-7	1500 mg/g (NULL)	Methylhippuric acids in urine	End of shift
Ethylbenzene CAS: 100-41-4	150 mg/g (NULL)	Sum of mandelic acid and phenylglyoxylic acid in urine	End of shift
Toluene CAS: 108-88-3	0.02 mg/L	Toluene in blood	Prior to last shift of workweek
Butanone CAS: 78-93-3	2 mg/L	Methyl ethyl ketone in urine	End of shift

8.2 Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment


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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Always provide effective general and, when necessary, local exhaust ventilation to maintain the ambient workplace atmosphere below the exposure limits.. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

**B.- Respiratory protection**


Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

**C.- Specific protection for the hands**



Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.7 mm)	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.



**D.- Eye and face protection**

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR)

**E.- Bodily protection**

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

**F.- Additional emergency measures**

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**40 CFR Part 59 (VOC):**

V.O.C.(weight-percent): 38.79 % weight  
V.O.C. at 77 °F: 470.31 kg/m<sup>3</sup> (470.31 g/L)

**California Air Resources Board (CARB) - VOC Regulatory:**

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C.(weight-percent): 38.79 % weight  
V.O.C. at 77 °F: 470.31 kg/m<sup>3</sup> (470.31 g/L)

**South Coast Air Quality Management District (AQMD) - VOC Regulatory:**

V.O.C.(weight-percent): 38.79 % weight  
V.O.C. at 77 °F: 470.31 kg/m<sup>3</sup> (470.31 g/L)

**Ozone Transport Commission (OTC) Rules - VOC Regulatory:**

V.O.C.(weight-percent): 38.79 % weight  
V.O.C. at 77 °F: 470.31 kg/m<sup>3</sup> (470.31 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

Physical state at 68 °F: Liquid  
Appearance: Not available  
Color: Characteristic  
Odor: Not available  
Odour threshold: Not applicable (N/A) \*

**Volatility:**

Boiling point at atmospheric pressure: 267 °F  
Vapour pressure at 77 °F: 2037 Pa  
Vapour pressure at 122 °F: 6980.13 Pa (6.98 kPa)  
Evaporation rate at 77 °F: Not applicable (N/A) \*

**Product description:**

Density at 77 °F: 1212.3 kg/m<sup>3</sup>  
Relative density at 77 °F: 1.212  
Dynamic viscosity at 77 °F: Not applicable (N/A) \*  
Kinematic viscosity at 77 °F: 266 mm<sup>2</sup>/s  
Kinematic viscosity at 104 °F: Not applicable (N/A) \*  
Concentration: Not applicable (N/A) \*  
pH: Not applicable (N/A) \*  
Vapour density at 77 °F: Not applicable (N/A) \*  
Partition coefficient n-octanol/water 77 °F: Not applicable (N/A) \*  
Solubility in water at 77 °F: Not applicable (N/A) \*  
Solubility properties: Not applicable (N/A) \*  
Decomposition temperature: Not applicable (N/A) \*  
Melting point/freezing point: Not applicable (N/A) \*

**Flammability:**

Flash Point: 78 °F  
Flammability (solid, gas): Not applicable (N/A) \*  
Autoignition temperature: 599 °F  
Lower flammability limit: Not available  
Upper flammability limit: Not available

**Particle characteristics:**

\*Not applicable (N/A) due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Median equivalent diameter: Non-applicable

**9.2 Other information:**

**Information with regard to physical hazard classes:**

Explosive properties: Not applicable (N/A) \*

Oxidising properties: Not applicable (N/A) \*

Corrosive to metals: Not applicable (N/A) \*

Heat of combustion: Not applicable (N/A) \*

Aerosols-total percentage (by mass) of flammable components: Not applicable (N/A) \*

**Other safety characteristics:**

Surface tension at 77 °F: Not applicable (N/A) \*

Refraction index: Not applicable (N/A) \*

\*Not applicable (N/A) due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract
- C- Contact with the skin and the eyes (acute effect):
  - Contact with the skin: Produces skin inflammation.
  - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
  - Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.  
IARC: Talc (3); Reaction mass of ethylbenzene and xylene (3); Cumene (2B); Xylene (3); Carbon black (2B); Xylene (3); Ethylbenzene (2B); (3); Toluene (3)
  - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
  - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
  - Respiratory: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
  - Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) - single exposure:
 

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
- G- Specific target organ toxicity (STOT)-repeated exposure:
  - Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
  - Skin: Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- H- Aspiration hazard:
 

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Not applicable (N/A)

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
N-butyl acetate CAS: 123-86-4	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation	23.4 mg/L (4 h)	Rat
2-methoxy-1-methylethyl acetate CAS: 108-65-6	LD50 oral	8532 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rat
	LC50 inhalation	30 mg/L (4 h)	Rat
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	LD50 oral	2100 mg/kg	Rat
	LD50 dermal	1100 mg/kg (ATEi)	Rat
	LC50 inhalation	11 mg/L (4 h)	Rat
Butanone CAS: 78-93-3	LD50 oral	4000 mg/kg	Rat
	LD50 dermal	6400 mg/kg	Rabbit
	LC50 inhalation	23.5 mg/L (4 h)	Rat
Carbon black CAS: 1333-86-4	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	
Fatty acids, C14-18 and C16-18-unsatd., maleated CAS: 85711-46-2	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
maleic anhydride CAS: 108-31-6	1090 mg/kg	>5000 mg/kg	Rat
	LC50 inhalation	>5 mg/L	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

Identification	Concentration		Species	Genus
	LC50	EC50		
N-butyl acetate CAS: 123-86-4	LC50	Not applicable (N/A)		
	EC50	Not applicable (N/A)		
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
2-methoxy-1-methylethyl acetate CAS: 108-65-6	LC50	161 mg/L (96 h)	Pimephales promelas	Fish
	EC50	481 mg/L (48 h)	Daphnia sp.	Crustacean
	EC50	Not applicable (N/A)		
Butanone CAS: 78-93-3	LC50	3220 mg/L (96 h)	Pimephales promelas	Fish
	EC50	5091 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	4300 mg/L (168 h)	Scenedesmus quadricauda	Algae
Carbon black CAS: 1333-86-4	LC50	1000 mg/L (96 h)	Brachydanio rerio	Fish
	EC50	5600 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Not applicable (N/A)		

Chronic toxicity:

Identification	Concentration		Species	Genus
	NOEC	Concentration		
Reaction mass of ethylbenzene and xylene CAS: Non-applicable	NOEC	1.3 mg/L	Oncorhynchus mykiss	Fish
	NOEC	1.17 mg/L	Ceriodaphnia dubia	Crustacean
N-butyl acetate CAS: 123-86-4	NOEC	Not applicable (N/A)		
	NOEC	23.2 mg/L	Daphnia magna	Crustacean
2-methoxy-1-methylethyl acetate CAS: 108-65-6	NOEC	47.5 mg/L	Oryzias latipes	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
	BOD5	Not applicable (N/A)	Concentration	Not applicable (N/A)
N-butyl acetate CAS: 123-86-4	COD	Not applicable (N/A)	5 days	cellPeriodoTesteoContenido
	BOD5/COD	Not applicable (N/A)	% Biodegradable	84 %
	BOD5	Not applicable (N/A)	Concentration	785 mg/L
2-methoxy-1-methylethyl acetate CAS: 108-65-6	COD	Not applicable (N/A)	8 days	cellPeriodoTesteoContenido
	BOD5/COD	Not applicable (N/A)	% Biodegradable	100 %
	BOD5	2.03 g O2/g	Concentration	Not applicable (N/A)
Butanone CAS: 78-93-3	COD	2.31 g O2/g	20 days	cellPeriodoTesteoContenido
	BOD5/COD	0.88	% Biodegradable	89 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
	maleic anhydride CAS: 108-31-6	BOD5	Not applicable (N/A)	Concentration
	COD	Not applicable (N/A)	29 days	cellPeriodoTesteoContenido
	BOD5/COD	Not applicable (N/A)	% Biodegradable	98.19 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
	Reaction mass of ethylbenzene and xylene CAS: Non-applicable	BCF
	Pow Log	2.77
	Potential	Low
N-butyl acetate CAS: 123-86-4	BCF	4
	Pow Log	1.78
	Potential	Low
2-methoxy-1-methylethyl acetate CAS: 108-65-6	BCF	1
	Pow Log	0.43
	Potential	Low
Butanone CAS: 78-93-3	BCF	3
	Pow Log	0.29
	Potential	Low
maleic anhydride CAS: 108-31-6	BCF	
	Pow Log	-2.61
	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
	N-butyl acetate CAS: 123-86-4	Koc	Not applicable (N/A)	Henry
	Conclusion	Not applicable (N/A)	Dry soil	Not applicable (N/A)
	Surface tension	2.478E-2 N/m (77 °F)	Moist soil	Not applicable (N/A)
Butanone CAS: 78-93-3	Koc	30	Henry	5.77 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.396E-2 N/m (77 °F)	Moist soil	Yes
maleic anhydride CAS: 108-31-6	Koc	42	Henry	0E+0 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Not applicable (N/A)
	Surface tension	1.673E-2 N/m (482.38 °F)	Moist soil	Not applicable (N/A)

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

The next characteristic per RCRA could apply to the unused product if it becomes a waste material: Ignitability. The next EPA hazardous waste number could apply: D001.  
IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO EVALUATE WHETHER HIS WASTES ARE HAZARDOUS BY CHARACTERISTICS OR LISTING.

Waste management (disposal and evaluation):

Follow RCRA framework and EPA regulation for to ensure that hazardous waste is managed safely and properly. Waste should not be disposed of to drains. Remind, It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing. See section 6 for further information about Accidental release measures.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

**SECTION 13: DISPOSAL CONSIDERATIONS (continued)**

Legislation related to waste management:  
40 CFR Solid Wastes - Part 239 through 282.  
State regulatory requirements for generators may be more stringent than those in the federal program. Be sure to check the state's policies.

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to 49 CFR on the Transport of Dangerous Goods:



- 14.1 **UN number:** UN1263
- 14.2 **UN proper shipping name:** PAINT
- 14.3 **Transport hazard class(es):** 3  
Labels: 3
- 14.4 **Packing group, if applicable:** III
- 14.5 **Marine pollutant:** No
- 14.6 **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
Physico-Chemical properties: see section 9  
Limited quantities: 5 L
- 14.7 **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable (N/A)

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:



- 14.1 **UN number:** UN1263
- 14.2 **UN proper shipping name:** PAINT
- 14.3 **Transport hazard class(es):** 3  
Labels: 3
- 14.4 **Packing group, if applicable:** III
- 14.5 **Marine pollutant:** No
- 14.6 **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
Special regulations: 223, 955, 163, 367  
EmS Codes: F-E, S-E  
Physico-Chemical properties: see section 9  
Limited quantities: 5 L  
Segregation group: Not applicable (N/A)
- 14.7 **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable (N/A)

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2024:



- 14.1 **UN number:** UN1263
- 14.2 **UN proper shipping name:** PAINT
- 14.3 **Transport hazard class(es):** 3  
Labels: 3
- 14.4 **Packing group, if applicable:** III
- 14.5 **Marine pollutant:** No
- 14.6 **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
Physico-Chemical properties: see section 9
- 14.7 **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable (N/A)

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## 110515 - PU Black Sealer 515

## SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations specific for the product in question:**

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *Reaction mass of ethylbenzene and xylene (Non-applicable)*; *N-butyl acetate (123-86-4)*; *Butanone (78-93-3)*; *Carbon black (1333-86-4)*; *maleic anhydride (108-31-6)*
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Not applicable (N/A)
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: Not applicable (N/A)
- CANADA-Domestic Substances List (DSL): *N-butyl acetate (123-86-4)*; *2-methoxy-1-methylethyl acetate (108-65-6)*; *Butanone (78-93-3)*; *Carbon black (1333-86-4)*; *maleic anhydride (108-31-6)*
- CANADA-Non-Domestic Substances List (NDSL): *Fatty acids, C14-18 and C16-18-unsatd., maleated (85711-46-2)*
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: *N-butyl acetate (123-86-4) - 5000 lb*; *Butanone (78-93-3) - U159*; *maleic anhydride (108-31-6) - U147*
- Hazardous Air Pollutants (Clean Air Act): *maleic anhydride (108-31-6)*
- Massachusetts RTK - Substance List: *Reaction mass of ethylbenzene and xylene (Non-applicable)*; *N-butyl acetate (123-86-4)*; *Butanone (78-93-3)*; *Carbon black (1333-86-4)*; *maleic anhydride (108-31-6)*
- Minnesota - Hazardous substances ERTK: *Reaction mass of ethylbenzene and xylene (Non-applicable)*; *N-butyl acetate (123-86-4)*; *Butanone (78-93-3)*; *Carbon black (1333-86-4)*; *maleic anhydride (108-31-6)*
- New Jersey Worker and Community Right-to-Know Act: *Reaction mass of ethylbenzene and xylene (Non-applicable)*; *N-butyl acetate (123-86-4)*; *Butanone (78-93-3)*; *Carbon black (1333-86-4)*; *maleic anhydride (108-31-6)*
- New York RTK - Substance list: *Reaction mass of ethylbenzene and xylene (Non-applicable)*; *N-butyl acetate (123-86-4)*; *Butanone (78-93-3)*; *maleic anhydride (108-31-6)*
- NTP (National Toxicology Program): Not applicable (N/A)
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Not applicable (N/A)
- Pennsylvania Worker and Community Right-to-Know Law: *N-butyl acetate (123-86-4)*; *Butanone (78-93-3)*; *Carbon black (1333-86-4)*; *maleic anhydride (108-31-6)*
- Rhode Island - Hazardous substances RTK: *N-butyl acetate (123-86-4)*; *Butanone (78-93-3)*; *maleic anhydride (108-31-6)*
- The Toxic Substances Control Act (TSCA) : *N-butyl acetate (123-86-4)*; *2-methoxy-1-methylethyl acetate (108-65-6)*; *Butanone (78-93-3)*; *Carbon black (1333-86-4)*; *Fatty acids, C14-18 and C16-18-unsatd., maleated (85711-46-2)*; *maleic anhydride (108-31-6)*
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *maleic anhydride (108-31-6)*

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

**Other legislation:**

Take into consideration other applicable federal, state, and local laws and local regulations.

## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

**Texts of the legislative phrases mentioned in section 2:**

H335: May cause respiratory irritation.

H315: Causes skin irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H351: Suspected of causing cancer.

H317: May cause an allergic skin reaction.

H226: Flammable liquid and vapour.

H319: Causes serious eye irritation.

**Advice related to training:**

According to 29 CFR 1910.1200, training on chemical hazards is necessary for employees using this product. This training will facilitate their understanding and interpretation of the safety data sheet, as well as the product label.

**Principal bibliographical sources:**

Occupational Safety & Health Administration (OSHA).

**Abbreviations and acronyms:**

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**110515 - PU Black Sealer 515****SECTION 16: OTHER INFORMATION (continued)**

IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5-day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
CL50: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon  
IARC: International Agency for Research on Cancer

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END OF SAFETY DATA SHEET