


## SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier:** 700410 - Esfera Outdoor Primer 410 Dark Walnut
- 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 Gremis s/n  
46190 Riba-roja de Turia - Valencia - Spain  
Phone: +34 961669560 - Fax: +34 961668665  
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:**  
**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  
Flam. Liq. 4: Flammable liquids, Category 4, H227  
Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**  
**29 CFR 1910.1200:**  
**Warning**
- 
- Hazard statements:**  
Suspected of causing cancer.  
Combustible liquid.  
May cause an allergic skin reaction.
- Precautionary statements:**  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.  
IF ON SKIN: Wash with plenty of soap and water.  
IF exposed or concerned: Get medical advice/attention.  
In case of fire: Use ABC powder extinguisher to put it out.  
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**  
Carbon black
- 2.3 Hazards not otherwise classified (HNO):**  
Not applicable (N/A)

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**  
Non-applicable
- 3.2 Mixtures:**  
**Chemical description:** Aqueous mixture composed of additives, coalescents, pigments and resins  
**Components:**

- CONTINUED ON NEXT PAGE -

## 700410 - Esfera Outdoor Primer 410 Dark Walnut

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

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: 111-76-2	<b>2-butoxyethanol</b>	2,5 - <5 %
CAS: 1333-86-4	<b>Carbon black</b>	0,25 - <1 %
CAS: 55406-53-6	<b>3-iodo-2-propynyl Butylcarbamate</b>	<0,25 %

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

**Other information:**

Identification	M-factor	
	3-iodo-2-propynyl Butylcarbamate CAS: 55406-53-6	Acute
	Chronic	1

## 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:**

This product is not classified as hazardous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. 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:**

Combustible liquid. If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>).

**Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**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.

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**SECTION 5: FIRE-FIGHTING MEASURES (continued)**

**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. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

**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.

**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 legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

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

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on 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

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	50 ppm	240 mg/m <sup>3</sup>
2-butoxyethanol CAS: 111-76-2	Ceiling Values - TWA PEL		
2-aminoethanol CAS: 141-43-5	8-hour TWA PEL	3 ppm	6 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
Carbon black CAS: 1333-86-4	8-hour TWA PEL		3.5 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
2-aminoethanol CAS: 141-43-5	8-hour TWA PEL	3 ppm	6 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		
Diiron trioxide CAS: 1309-37-1	8-hour TWA PEL		10 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits		
	TLV-TWA	20 ppm	
2-butoxyethanol CAS: 111-76-2	TLV-STEL		
2-aminoethanol CAS: 141-43-5	TLV-TWA	3 ppm	
	TLV-STEL	6 ppm	
Carbon black CAS: 1333-86-4	TLV-TWA		3 mg/m <sup>3</sup>
	TLV-STEL		
acrylic acid CAS: 79-10-7	TLV-TWA	2 ppm	
	TLV-STEL		
2-aminoethanol CAS: 141-43-5	TLV-TWA	3 ppm	
	TLV-STEL	6 ppm	
Diiron trioxide CAS: 1309-37-1	TLV-TWA		5 mg/m <sup>3</sup>
	TLV-STEL		

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

Identification	Occupational exposure limits		
	PEL	20 ppm	97 mg/m <sup>3</sup>
2-butoxyethanol CAS: 111-76-2	STEL		
2-aminoethanol CAS: 141-43-5	PEL	3 ppm	8 mg/m <sup>3</sup>
	STEL	6 ppm	15 mg/m <sup>3</sup>
Carbon black CAS: 1333-86-4	PEL		3.5 mg/m <sup>3</sup>
	STEL		
acrylic acid CAS: 79-10-7	PEL	2 ppm	5.9 mg/m <sup>3</sup>
	STEL		
2-aminoethanol CAS: 141-43-5	PEL	3 ppm	8 mg/m <sup>3</sup>
	STEL	6 ppm	15 mg/m <sup>3</sup>
Diiron trioxide CAS: 1309-37-1	PEL		5 mg/m <sup>3</sup>
	STEL		

**Biological limit values:**

Biological Exposure Indices (BEIs®) - ACGIH

Identification	BEIs®	Determinant	Sampling Time
2-butoxyethanol CAS: 111-76-2	200 mg/g (NULL)	Butoxyacetic acid (BAA) in urine	End of shift


**8.2 Appropriate engineering controls:**

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


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

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more 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
 Compulsory use of face mask	Filter mask for particles	Replace when an increase in resistance to breathing is observed. 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	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional /industrial users, we recommend using chemical protection gloves. 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	Panoramic glasses against splash/projections.	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
	Work clothing	Replace before any evidence of deterioration.
	Anti-slip work shoes	Replace before any evidence 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): 4.9 % weight  
V.O.C. at 77 °F: 300.98 kg/m<sup>3</sup> (300.98 g/L)

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

V.O.C.(weight-percent): 4.9 % weight

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. at 77 °F: 300.98 kg/m<sup>3</sup> (300.98 g/L)

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

V.O.C.(weight-percent): 4.9 % weight

V.O.C. at 77 °F: 300.98 kg/m<sup>3</sup> (300.98 g/L)

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

V.O.C.(weight-percent): 4.9 % weight

V.O.C. at 77 °F: 300.98 kg/m<sup>3</sup> (300.98 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: Not available  
Odor: Not available  
Odour threshold: Not applicable (N/A) \*

**Volatility:**

Boiling point at atmospheric pressure: 216 °F  
Vapour pressure at 77 °F: 3156 Pa  
Vapour pressure at 122 °F: 12270.5 Pa (12.27 kPa)  
Evaporation rate at 77 °F: Not applicable (N/A) \*

**Product description:**

Density at 77 °F: 1041.4 kg/m<sup>3</sup>  
Relative density at 77 °F: 1.041  
Dynamic viscosity at 77 °F: Not applicable (N/A) \*  
Kinematic viscosity at 77 °F: Not applicable (N/A) \*  
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: 161 °F  
Flammability (solid, gas): Not applicable (N/A) \*  
Autoignition temperature: 460 °F  
Lower flammability limit: Not applicable (N/A) \*  
Upper flammability limit: Not applicable (N/A) \*

**Particle characteristics:**

Median equivalent diameter: Non-applicable

\*Not relevant 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)

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 relevant 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.

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	Not applicable	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

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

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: 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.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

**700410 - Esfera Outdoor Primer 410 Dark Walnut**

**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: 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.
- C- Contact with the skin and the eyes (acute effect):
  - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
  - Contact with the eyes: 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.
- 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: 2-butoxyethanol (3); Carbon black (2B); acrylic acid (3); Diiron trioxide (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, as it does not contain substances classified as hazardous 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:
 

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.
- G- Specific target organ toxicity (STOT)-repeated exposure:
  - Specific target organ toxicity (STOT)-repeated exposure: 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.
  - Skin: 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.
- H- Aspiration hazard:
 

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.

**Other information:**

Not applicable (N/A)

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
2-butoxyethanol CAS: 111-76-2	1200 mg/kg	3000 mg/kg	Rat
		3 mg/L	Rabbit
3-iodo-2-propynyl Butylcarbamate CAS: 55406-53-6	1100 mg/kg	2100 mg/kg	Rat
		3 mg/L (ATEi)	Rabbit
Carbon black CAS: 1333-86-4	>5000 mg/kg	>5000 mg/kg	
		>5 mg/L	

**SECTION 12: ECOLOGICAL INFORMATION**

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

**12.1 Ecotoxicity (aquatic and terrestrial, where available):**

**Acute toxicity:**

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
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)		
3-iodo-2-propynyl Butylcarbamate CAS: 55406-53-6	LC50	0.07 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	0.09 mg/L (96 h)	Mysidopsis bahia	Crustacean
	EC50	0.05 mg/L (72 h)	Scenedesmus subspicatus	Algae

**Chronic toxicity:**

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	NOEC	100 mg/L	Danio rerio	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean
3-iodo-2-propynyl Butylcarbamate CAS: 55406-53-6	NOEC	0.0084 mg/L	Pimephales promelas	Fish
	NOEC	0.0499 mg/L	Daphnia magna	Crustacean

**12.2 Persistence and degradability:**

**Substance-specific information:**

Identification	Degradability		Biodegradability	
	2-butoxyethanol CAS: 111-76-2	BOD5	0.71 g O2/g	Concentration
COD		2.2 g O2/g	Period	14 days
BOD5/COD		0.32	% Biodegradable	96 %

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

Identification	Bioaccumulation potential	
	2-butoxyethanol CAS: 111-76-2	BCF
Pow Log		0.83
Potential		Low
3-iodo-2-propynyl Butylcarbamate CAS: 55406-53-6	BCF	36
	Pow Log	2.4
	Potential	Moderate

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
	2-butoxyethanol CAS: 111-76-2	Koc	8	Henry
Conclusion		Very High	Dry soil	No
Surface tension		2.729E-2 N/m (77 °F)	Moist soil	Yes

**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:**

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:**

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.

- CONTINUED ON NEXT PAGE -

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:** NA1993
- 14.2 UN proper shipping name:** Combustible liquid, n.o.s. (acrylic acid)
- 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  
49 CFR 173.150: It can be shipped as a non-hazardous material if the container is under 120 gallons
- 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 40-20:

- 14.1 UN number:** Not applicable (N/A)
- 14.2 UN proper shipping name:** Not applicable (N/A)
- 14.3 Transport hazard class(es):** Not applicable (N/A)  
Labels: Not applicable (N/A)
- 14.4 Packing group, if applicable:** Not applicable (N/A)
- 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: Not applicable (N/A)  
EmS Codes:  
Physico-Chemical properties: see section 9  
Limited quantities: Not applicable (N/A)  
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 2023:

- 14.1 UN number:** Not applicable (N/A)
- 14.2 UN proper shipping name:** Not applicable (N/A)
- 14.3 Transport hazard class(es):** Not applicable (N/A)  
Labels: Not applicable (N/A)
- 14.4 Packing group, if applicable:** Not applicable (N/A)
- 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)

SECTION 15: REGULATORY INFORMATION

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

## 700410 - Esfera Outdoor Primer 410 Dark Walnut

## SECTION 15: REGULATORY INFORMATION (continued)

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *2-butoxyethanol (111-76-2)*; *Carbon black (1333-86-4)*
  - 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): *2-butoxyethanol (111-76-2)*; *Carbon black (1333-86-4)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
  - CANADA-Non-Domestic Substances List (NDSL): Not applicable (N/A)
  - Hazardous Air Pollutants (Clean Air Act): *2-butoxyethanol (111-76-2)*
  - Massachusetts RTK - Substance List: *2-butoxyethanol (111-76-2)*; *Carbon black (1333-86-4)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
  - Minnesota - Hazardous substances ERTK: *2-butoxyethanol (111-76-2)*; *Carbon black (1333-86-4)*
  - New Jersey Worker and Community Right-to-Know Act: *2-butoxyethanol (111-76-2)*; *Carbon black (1333-86-4)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
  - New York RTK - Substance list: *2-butoxyethanol (111-76-2)*
  - 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: *2-butoxyethanol (111-76-2)*; *Carbon black (1333-86-4)*
  - Rhode Island - Hazardous substances RTK: *2-butoxyethanol (111-76-2)*
  - The Toxic Substances Control Act (TSCA) : *2-butoxyethanol (111-76-2)*; *Carbon black (1333-86-4)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
  - Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *2-butoxyethanol (111-76-2)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: 2-butoxyethanol (1 pounds)

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

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal 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:**

H317: May cause an allergic skin reaction.

H351: Suspected of causing cancer.

H227: Combustible liquid.

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

Occupational Safety & Health Administration (OSHA).

**Abbreviations and acronyms:**

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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- CONTINUED ON NEXT PAGE -

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END OF SAFETY DATA SHEET