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SECTION 1: IDENTIFICATION

1.1 GHS Product identifier: 33114 - BONUS S/G WHITE/PASTEL

1.2 Recommended use of the chemical and restrictions on use:

Relevant uses: Acrylic paint

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:

Enco & Weco Manufacturing Corp. Baldorioty #43 00739 Cidra - Puerto Rico - Estados Unidos Phone.: +1-787-739-3751 - Fax: +1-787-739-2242 info@encomfg.com http://www.encopr.com

1.4 Emergency phone number: 1-800-424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture: 2.1 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 2.2 Label elements: 29 CFR 1910.1200: Warning Hazard statements: Carc. 2: H351 - Suspected of causing cancer **Precautionary statements:** P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood P308+P313: IF exposed or concerned: Get medical advice/attention P405: Store locked up P501: Dispose of contents and / or their container according to the separated collection system used in your municipality Substances that contribute to the classification Titanium dioxide Other hazards which do not result in classification: 2.3 Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Chemical description: Acrylic copolymer in aqueous solution

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:





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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentratio
CAS: 7732-18-5	Water	50 - <75 %
CAS: 65045-76-3	Vinyl acrylic copolymer	10 - <25 %
CAS: 13463-67-7	Titanium dioxide Carc. 2: H351 - Warning	10 - <25 %
CAS: 1317-65-3	Limestone	<1 %
CAS: 111-76-2	2-butoxyethanol Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Flam. Liq. 4: H227; Skin Irrit. 2: H315 - Warning	<1 %
CAS: 7631-86-9	Silicon dioxide (RCS < 1%)	<1 %
CAS: 25265-77-4	Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	<1 %
CAS: 124-68-5	2-amino-2-methyl-1-propanol Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	<1 %
CAS: 51200-87-4	4,4-dimethyloxazolidine Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335 -	<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:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

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:

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use full jet water as an extinguishing agent.





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SECTION 5: FIRE-FIGHTING MEASURES (continued)

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:

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 spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertization agent. Destroy 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.

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:

It is recommended:

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.- Precautions for safe manipulation

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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid splashes and pulverizations. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

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 ºF
Maximum	n Temp.:	86 ºF
Maximum	n time:	6 Months
B General c	onditions for sta	rage

B.- General conditions for storage





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SECTION 7: HANDLING AND STORAGE (continued)

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

	Identification	Environmental limits			
Tit	anium dioxide	8-hour TWA PEL		15 mg/m ³	
CA		Ceiling Values - TWA PEL			
Lin	nestone	8-hour TWA PEL		5 mg/m ³	
CA		Ceiling Values - TWA PEL			
2-t	outoxyethanol	8-hour TWA PEL	50 ppm	240 mg/m ³	
CA		Ceiling Values - TWA PEL		1	

8.2 Appropriate engineering controls:

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

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

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Remarks	į.
Chi		Replace gloves in case of any sign of damage. For prolonged periods of exposure	í
Mandatory hand	Protective gloves against minor risks	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.- Ocular and facial 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.





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Pictogram	PPE		Remarks
Pictogram	FFE		Refindriks
	Anti-slip work shoes	Penlace before any	y evidence of deterioration.
	And she work shoes	Replace before any	vendence of detenoration.
F Additional emergency meas	sures		
Emergency measure	Standards	Emergency measure	Standards
*		O +	
, ¶, ∖	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Ŧ	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:202
Emergency shower	,	Eyewash stations	
Environmental exposure co	ntrols:		
In accordance with the commu	nity legislation for the protection (of the environment it is reco	mmended to avoid environmenta
	d its container. For additional infor		
-	mpound emission standards f	or consumer and comme	rcial products:
V.O.C. (Supply):	0.84 % weight		
V.O.C. density at 68 °F:	150 kg/m ³ (150 g/L)		12
			11
TION 9: PHYSICAL AND CHE	MICAL PROPERTIES		
Information on basic physic	cal and chemical properties:		
For complete information see t	he product datasheet.		
Appearance:			
Physical state at 68 °F:	Liquid Viscous		
		te	
Physical state at 68 °F: Appearance:	Viscous	te	
Physical state at 68 °F: Appearance: Color:	Viscous Whi Mild		
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold:	Viscous Whi Mild	te blicable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility:	Viscous Whi Mild Non-app	licable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric press	Viscous Whi Mild Non-app	licable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric provides of the state of	Viscous Whi Mild Non-app essure: Non-app 2344 Pa	licable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric provide Vapour pressure at 68 °F: Vapour pressure at 122 °F:	essure: Non-app 2344 Pa 12348.8	olicable * olicable * 2 Pa (12.35 kPa)	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric prov Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F:	essure: Non-app 2344 Pa 12348.8	licable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric prov Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Product description:	essure: Non-app 2344 Pa 12348.8 Non-app	olicable * olicable * 2 Pa (12.35 kPa) olicable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric prov Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Product description: Density at 68 °F:	essure: Non-app 2344 Pa 12348.8 Non-app 1166 kg	olicable * olicable * 2 Pa (12.35 kPa) olicable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric prov Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Product description: Density at 68 °F: Relative density at 68 °F:	essure: Non-app 2344 Pa 12348.8 Non-app 1166 kg 1.166	vlicable * vlicable * 2 Pa (12.35 kPa) vlicable * /m ³	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric prov Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Product description: Density at 68 °F: Relative density at 68 °F: Dynamic viscosity at 68 °F:	essure: Non-app 2344 Pa 12348.8 Non-app 1166 kg 1.166 Non-app	vlicable * vlicable * 2 Pa (12.35 kPa) vlicable * /m ³ vlicable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric provide Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Product description: Density at 68 °F: Relative density at 68 °F: Dynamic viscosity at 68 °F:	essure: Non-app 2344 Pa 12348.8 Non-app 1166 kg 1.166 Non-app Non-app Non-app	vlicable * 2 Pa (12.35 kPa) vlicable * /m ³ vlicable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric prov Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Density at 68 °F: Relative density at 68 °F: Dynamic viscosity at 68 °F: Kinematic viscosity at 68 °F:	essure: Non-app 2344 Pa 12348.8 Non-app 1166 kg 1.166 Non-app Non-app >20.5 c	vlicable * Plicable * 2 Pa (12.35 kPa) vlicable * /m ³ vlicable * vlicable * vlicable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric provide Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Density at 68 °F: Relative density at 68 °F: Dynamic viscosity at 68 °F: Kinematic viscosity at 68 °F: Kinematic viscosity at 104 °F: Concentration:	essure: Non-app 2344 Pa 12348.8 Non-app 1166 kg 1.166 Non-app Non-app >20.5 c Non-app	vlicable * 2 Pa (12.35 kPa) vlicable * /m ³ vlicable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric provide Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Density at 68 °F: Relative density at 68 °F: Concentration: pH:	essure: Non-app 2344 Pa 12348.8 Non-app 1166 kg 1.166 Non-app >20.5 c Non-app >8	vlicable * 2 Pa (12.35 kPa) vlicable * /m ³ vlicable * vlicable * vlicable * vlicable *	
Physical state at 68 °F: Appearance: Color: Odor: Odour threshold: Volatility: Boiling point at atmospheric provide Vapour pressure at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Vapour pressure at 122 °F: Evaporation rate at 68 °F: Density at 68 °F: Relative density at 68 °F: Concentration: pH: Vapour density at 68 °F:	essure: Non-app 2344 Pa 12348.8 Non-app 1166 kg 1.166 Non-app >20.5 c Non-app >8 Non-app >8 Non-app	vlicable * vlicable * 2 Pa (12.35 kPa) vlicable * vlicable * vlicable * vlicable * vlicable * vlicable *	
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SEC	TION 9: PHYSICAL AND CHEMICA	PROPERTIES (continued)	
	Melting point/freezing point:	Non-applicable *	
	Explosive properties:	Non-applicable *	
	Oxidising properties:	Non-applicable *	
	Flammability:		
	Flash Point:	Non Flammable (>199.4 °F)	
	Flammability (solid, gas):	Non-applicable *	
	Autoignition temperature:	460 °F	
	Lower flammability limit:	Non-applicable *	
	Upper flammability limit:	Non-applicable *	
	Explosive:		
	Lower explosive limit:	Non-applicable *	
	Upper explosive limit:	Non-applicable *	
9.2	Other information:		
100	Surface tension at 68 °F:	Non-applicable *	-
1	Refraction index:	Non-applicable *	
	*Not relevant due to the nature of the product	not providing information property of its hazards.	a \
			69
SEC	TION 10: STABILITY AND REACTI	/ITY	
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 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	Precaution	Precaution	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 (CO2), 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):





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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

020	1101	
	B-	 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 dangerous for this effect. For more information see section 3. Inhalation (acute effect):
	C-	 Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous 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 dangerous for inhalation. For more information see section 3. 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 dangerous 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 dangerous 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
1		 section 2. IARC: 2-butoxyethanol (3); Titanium dioxide (2B); Silicon dioxide (RCS < 1%) (3); Quartz (RCS < 1%) (1) Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous 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 dangerous 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 dangerous for this effect. For more information see section 3.
	E- F-	 Sensitizing effects: Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3. Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. Specific target organ toxicity (STOT) - single exposure:
	G-	Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3. 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
	H-	 it does not contain substances classified as dangerous 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 dangerous for this effect. For more information see section 3. Aspiration hazard:
	Ot	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3. ther information:
	Nc	on-applicable
	Sp	pecific toxicology information on the substances:

Identification Acute toxicity		Genus	
Titanium dioxide	LD50 oral	10000 mg/kg	Rat
CAS: 13463-67-7	LD50 dermal	10000 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	
Limestone	LD50 oral	5100 mg/kg	Rat
CAS: 1317-65-3	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
2-butoxyethanol	LD50 oral	1414 mg/kg	Rat
CAS: 111-76-2	LD50 dermal	1060 mg/kg	Rabbit
	LC50 inhalation	11 mg/L (4 h)	Rat





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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	А	Acute toxicity	
Silicon dioxide (RCS < 1%)	LD50 oral	5100 mg/kg	Rat
CAS: 7631-86-9	LD50 dermal	5100 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	
Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	LD50 oral	6517 mg/kg	Rat
CAS: 25265-77-4	LD50 dermal	15200 mg/kg	Rabbit
	LC50 inhalation	3.55 mg/L (6 h)	Rat
2-amino-2-methyl-1-propanol	LD50 oral	2900 mg/kg	Rat
CAS: 124-68-5	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
4,4-dimethyloxazolidine	LD50 oral	950 mg/kg	Rat
CAS: 51200-87-4	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation	Non-applicable	

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):

Identification		Acute toxicity	Species	Genus	
2-butoxyethanol	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish	
CAS: 111-76-2	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean	
	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae	
Silicon dioxide (RCS < 1%)	LC50	5000 mg/L (96 h)	Brachydanio rerio	Fish	
CAS: 7631-86-9	EC50	10000 mg/L (24 h)	Daphnia magna	Crustacean	
	EC50	440 mg/L (72 h)	Selenastrum capricornutum	Algae	
Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol CAS: 25265-77-4	LC50	30 mg/L (96 h)	Pimephales promelas	Fish	
	EC50	95 mg/L (96 h)	Daphnia magna	Crustacean	
	EC50	18.4 mg/L (72 h)	Selenastrum capricornutum	Algae	
2-amino-2-methyl-1-propanol	LC50	190 mg/L (96 h)	Lepomis macrochirus	Fish	
CAS: 124-68-5	EC50	65 mg/L (24 h)	Daphnia magna	Crustacean	
	EC50	520 mg/L (72 h)	Scenedesmus subspicatus	Algae	

12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
2-butoxyethanol	BOD5	0.71 g O2/g	Concentration	100 mg/L
CAS: 111-76-2	COD	2.2 g O2/g	Period	14 days
	BOD5/COD	0.32	% Biodegradable	96 %
Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3 -diol	BOD5	2.2 g O2/g	Concentration	Non-applicable
CAS: 25265-77-4	COD	Non-applicable	Period	19 days
	BOD5/COD	Non-applicable	% Biodegradable	33 %
2-amino-2-methyl-1-propanol	BOD5	0.01 g O2/g	Concentration	100 mg/L
CAS: 124-68-5	COD	2.05 g O2/g	Period	28 days
F	BOD5/COD	0.005	% Biodegradable	74 %

12.3 Bioaccumulative potential:

Identification	Bi	Bioaccumulation potential	
2-butoxyethanol	BCF	3	
CAS: 111-76-2	Pow Log	0.83	
	Potential	Low	
Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol	BCF		
CAS: 25265-77-4	Pow Log	3.47	
	Potential		





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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
2-amino-2-methyl-1-propanol	BCF	1
CAS: 124-68-5	Pow Log	
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-butoxyethanol	Кос	8	Henry	1.621E-1 Pa·m ³ /mol
CAS: 111-76-2	Conclusion	Very High	Dry soil	No
	Surface tension	2.729E-2 N/m (77 ºF)	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:

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Part 261- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport.

SECTION 15: REGULATORY INFORMATION

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

SARA Title III - Toxic Chemical Release Inventory Reporting (Section 313): 2-butoxyethanol California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986): Titanium dioxide The Toxic Substances Control Act (TSCA) : Water ; Vinyl acrylic copolymer ; Titanium dioxide ; Limestone ; 2-butoxyethanol ; Silicon dioxide (RCS < 1%); Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol; 2-amino-2-methyl-1-propanol; 4,4 -dimethyloxazolidine Massachusetts RTK - Substance List: Non-applicable New Jersey Worker and Community Right-to-Know Act: Titanium dioxide ; Limestone ; 2-butoxyethanol ; 2-amino-2-methyl-1propanol New York RTK - Substance list: Titanium dioxide ; 2-butoxyethanol Pennsylvania Worker and Community Right-to-Know Law: Titanium dioxide ; Limestone ; 2-butoxyethanol ; Silicon dioxide (RCS < 1%); 2-amino-2-methyl-1-propanol CANADA-Domestic Substances List (DSL): Water ; Vinyl acrylic copolymer ; Titanium dioxide ; 2-butoxyethanol ; Silicon dioxide (RCS < 1%); Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol; 2-amino-2-methyl-1-propanol; 4,4dimethyloxazolidine CANADA-Non-Domestic Substances List (NDSL): Limestone NTP (National Toxicology Program): Non-applicable Minnesota - Hazardous substances ERTK: Titanium dioxide ; Limestone ; 2-butoxyethanol ; Silicon dioxide (RCS < 1%) Rhode Island - Hazardous substances RTK: Titanium dioxide ; Limestone ; 2-butoxyethanol OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Silicon dioxide (RCS < 1%) Hazardous substances release notification under CERCLA sections 102-103 (40 CFR Part 302): Non-applicable





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SECTION 15: REGULATORY INFORMATION (continued)

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:

The Toxic Substances Control Act (TSCA)

Occupational Safety and Health Standards (1910 Subpart Z - Toxic and Hazardous Substances)

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:

H351: Suspected of causing cancer

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

29 CFR 1910.1200:

	25 CI R 1510.1200.
	Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
	Carc. 2: H351 - Suspected of causing cancer
	Eye Irrit. 2: H319 - Causes serious eye irritation
	Flam. Liq. 3: H226 - Flammable liquid and vapour
	Flam. Liq. 4: H227 - Combustible liquid Skin Irrit. 2: H315 - Causes skin irritation
	STOT SE 3: H335 - May cause respiratory irritation
	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

Manufacturer Disclaimer: The information contained in this safety date sheet ("SDS") is based on sources, technical knowledge and current legislation. Furthermore, is based on data believed to be accurate; thus, the company does not assume any liability for its accuracy. The information provided herein cannot be considered a guarantee of the properties of this product and the same is simply a description of the security requirements. The use, occupational methodology and/or conditions for users of this product are not within our awareness or control. It is ultimately the responsibility of the user(s) to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information of this SDS only refers to this product, which should not be used for purposes other than those specified. Finally, the manner in which this product is used and whether there is any infringement of patents is the sole responsibility of the user(s).