

## JB593 - LIQUID CERAMIC ACCENT BASE




Date of compilation: 4/14/2023

Version: 1

### SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier:** JB593 - LIQUID CERAMIC ACCENT BASE  
**Other means of identification:**  
Not applicable (N/A)
- 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:**  
Liquid Ceramic International, Inc.  
4710 Belle-Oaks Dr  
28217 Charlotte - North Carolina - United States  
Phone: (704) 970-9519  
info@liquidceramic.com  
www.liquidceramic.com
- 1.4 Emergency phone number:**

### SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**NFPA:**  
Health Hazards: 2  
Flammability Hazards: 0  
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. 1B: Carcinogenicity, Category 1B, H350  
Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**  
**NFPA:**  
  
**29 CFR 1910.1200:**  
Danger  
  
  
**Hazard statements:**  
Carc. 1B: H350 - May cause cancer.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.  
**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.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P501: Dispose of the contents/containers according to the local, state and federal regulations.  
**Substances that contribute to the classification**  
Quartz (1 % < RCS < 10%); diuron (ISO)  
**Additional labeling:**

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



**WARNING**

This product can expose you to chemicals including diuron (ISO), which is [are] known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**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:** Aqueous mixture composed of chemical products for cleaning products

**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/Classification	Concentration
CAS: 7732-18-5	<b>Water</b>	<b>25 - &lt;50 %</b>
CAS: Non-applicable	<b>Acrylic polymer</b>	<b>10 - &lt;25 %</b>
CAS: 1317-65-3	<b>Limestone</b>	<b>10 - &lt;25 %</b>
CAS: 8031-18-3	<b>Fuller's Earth</b> Acute Tox. 4: H302 - Warning	<1 % 
CAS: 14808-60-7	<b>Quartz (1 % &lt; RCS &lt; 10%)</b> Carc. 1B: H350; STOT RE 2: H373 - Danger	<1 % 
CAS: 60864-33-7	<b>Benzyl-polyethylene glycol tert-octylphenyl ether</b> Acute Tox. 4: H302 - Warning	<1 % 
CAS: 330-54-1	<b>diuron (ISO)</b> Acute Tox. 4: H302; Carc. 2: H351; STOT RE 2: H373 - Warning	<1 %  
CAS: 141-43-5	<b>2-aminoethanol</b> Acute Tox. 4: H302+H312+H332; Flam. Liq. 4: H227; Skin Corr. 1B: H314 - Danger	<1 %   
CAS: 55406-53-6	<b>3-iodo-2-propynyl Butylcarbamate</b> Acute Tox. 4: H302+H332; Eye Dam. 1: H318; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	<1 %   

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:**

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

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

#### **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:**

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.

##### **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.

#### **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 spilled 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.

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**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.: 35.01 °F

Maximum Temp.: 100 °F

Maximum time: 24 Months

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	3 ppm	6 mg/m <sup>3</sup>
2-aminoethanol CAS: 141-43-5	Ceiling Values - TWA PEL		

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits		
	TLV-TWA		10 mg/m <sup>3</sup>
Limestone CAS: 1317-65-3	TLV-STEL		20 mg/m <sup>3</sup>
Quartz (1 % < RCS < 10%) CAS: 14808-60-7	TLV-TWA		0.025 mg/m <sup>3</sup>
	TLV-STEL		
diuron (ISO) CAS: 330-54-1	TLV-TWA		10 mg/m <sup>3</sup>
	TLV-STEL		
2-aminoethanol CAS: 141-43-5	TLV-TWA	3 ppm	
	TLV-STEL	6 ppm	

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

Identification	Occupational exposure limits		
	PEL		0.05 mg/m <sup>3</sup>
Quartz (1 % < RCS < 10%) CAS: 14808-60-7	STEL		
diuron (ISO) CAS: 330-54-1	PEL		10 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>

**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)**

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
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 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	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): 1.63 % weight  
V.O.C. at 68 °F: 69 kg/m<sup>3</sup> (69 g/L)

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

V.O.C.(weight-percent): 1.63 % weight  
V.O.C. at 68 °F: Not applicable (N/A)

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

V.O.C.(weight-percent): 1.63 % weight

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

V.O.C. at 68 °F: Not applicable (N/A)

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

V.O.C.(weight-percent): 1.63 % weight

V.O.C. at 68 °F: Not applicable (N/A)

### 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: Viscous  
Color: According to the markings on the package  
Odor: Mild  
Odour threshold: Not applicable (N/A) \*

##### Volatility:

Boiling point at atmospheric pressure: 220 °F  
Vapour pressure at 68 °F: Not applicable (N/A) \*  
Vapour pressure at 122 °F: 12203.86 Pa (12.2 kPa)  
Evaporation rate at 68 °F: Not applicable (N/A) \*

##### Product description:

Density at 68 °F: Not applicable (N/A) \*  
Relative density at 68 °F: Not applicable (N/A) \*  
Dynamic viscosity at 68 °F: Not applicable (N/A) \*  
Kinematic viscosity at 68 °F: Not applicable (N/A) \*  
Kinematic viscosity at 104 °F: >20.5 mm<sup>2</sup>/s  
Concentration: Not applicable (N/A) \*  
pH: 8.5 - 9.5  
Vapour density at 68 °F: Not applicable (N/A) \*  
Partition coefficient n-octanol/water 68 °F: Not applicable (N/A) \*  
Solubility in water at 68 °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: Non Flammable (>199.4 °F)  
Flammability (solid, gas): Not applicable (N/A) \*  
Autoignition temperature: 739 °F  
Lower flammability limit: Not applicable (N/A) \*  
Upper flammability limit: Not applicable (N/A) \*

##### Particle characteristics:

Median equivalent diameter: Non-applicable

#### 9.2 Other information:

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

\*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)**

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) *
<b>Other safety characteristics:</b>	
Surface tension at 68 °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	Precaution	Precaution	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	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: 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):

- 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 does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

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

- 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: Quartz (1 %< RCS < 10%) (1)
  - 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, however, it does contain substances which are classified as dangerous due to repetitive exposure. 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
Limestone CAS: 1317-65-3	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	Not applicable (N/A)	
	LC50 inhalation	Not applicable (N/A)	
3-iodo-2-propynyl Butylcarbamate CAS: 55406-53-6	LD50 oral	1100 mg/kg	Rat
	LD50 dermal	2100 mg/kg	Rabbit
	LC50 inhalation	3 mg/L (ATEi)	
Benzyl-polyethylene glycol tert-octylphenyl ether CAS: 60864-33-7	LD50 oral	536 mg/kg	Rat
	LD50 dermal	Not applicable (N/A)	
	LC50 inhalation	Not applicable (N/A)	
diuron (ISO) CAS: 330-54-1	LD50 oral	1017 mg/kg	Rat
	LD50 dermal	Not applicable (N/A)	
	LC50 inhalation	Not applicable (N/A)	
2-aminoethanol CAS: 141-43-5	LD50 oral	1089 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation	Not applicable (N/A)	

**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):**

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

**Acute toxicity:**

Identification	Concentration		Species	Genus
diuron (ISO) CAS: 330-54-1	LC50	6.6 mg/L (96 h)	Leuciscus idus	Fish
	EC50	1.4 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.022 mg/L (96 h)	Scenedesmus subspicatus	Algae
2-aminoethanol CAS: 141-43-5	LC50	349 mg/L (96 h)	Cyprinus carpio	Fish
	EC50	65 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	22 mg/L (72 h)	Scenedesmus subspicatus	Algae
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
diuron (ISO) CAS: 330-54-1	NOEC	0.001 mg/L	Danio rerio	Fish
	NOEC	0.56 mg/L	Daphnia magna	Crustacean
2-aminoethanol CAS: 141-43-5	NOEC	1.24 mg/L	Oryzias latipes	Fish
	NOEC	0.85 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	
Benzyl-polyethylene glycol tert-octylphenyl ether CAS: 60864-33-7	BOD5	Not applicable (N/A)	Concentration	Not applicable (N/A)
	COD	Not applicable (N/A)	Period	28 days
	BOD5/COD	Not applicable (N/A)	% Biodegradable	8 %
diuron (ISO) CAS: 330-54-1	BOD5	Not applicable (N/A)	Concentration	100 mg/L
	COD	Not applicable (N/A)	Period	28 days
	BOD5/COD	Not applicable (N/A)	% Biodegradable	0 %
2-aminoethanol CAS: 141-43-5	BOD5	Not applicable (N/A)	Concentration	20 mg/L
	COD	Not applicable (N/A)	Period	21 days
	BOD5/COD	Not applicable (N/A)	% Biodegradable	90 %

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

Identification	Bioaccumulation potential	
diuron (ISO) CAS: 330-54-1	BCF	64
	Pow Log	2.68
	Potential	Moderate
2-aminoethanol CAS: 141-43-5	BCF	3
	Pow Log	-1.31
	Potential	Low
3-iodo-2-propynyl Butylcarbamate CAS: 55406-53-6	BCF	36
	Pow Log	2.4
	Potential	Moderate

**12.4 Mobility in soil:**

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Absorption/desorption		Volatility	
2-aminoethanol CAS: 141-43-5	Koc	0.27	Henry	3.7E-5 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	No
	Surface tension	5.025E-2 N/m (77 °F)	Moist soil	No

**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.

**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:**

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### SECTION 15: REGULATORY INFORMATION (continued)

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *diuron (ISO) (330-54-1)*; *2-aminoethanol (141-43-5)*
  - 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: *diuron (ISO) (330-54-1)*
  - CANADA-Domestic Substances List (DSL): *Water (7732-18-5)*; *Fuller 's Earth (8031-18-3)*; *Quartz (1 % < RCS < 10%) (14808-60-7)*; *Benzyl-polyethylene glycol tert-octylphenyl ether (60864-33-7)*; *diuron (ISO) (330-54-1)*; *2-aminoethanol (141-43-5)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
  - CANADA-Non-Domestic Substances List (NDSL): *Limestone (1317-65-3)*
  - Hazardous Air Pollutants (Clean Air Act): Not applicable (N/A)
  - Massachusetts RTK - Substance List: *Limestone (1317-65-3)*; *Quartz (1 % < RCS < 10%) (14808-60-7)*; *diuron (ISO) (330-54-1)*; *2-aminoethanol (141-43-5)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
  - Minnesota - Hazardous substances ERTK: *Limestone (1317-65-3)*; *Quartz (1 % < RCS < 10%) (14808-60-7)*; *diuron (ISO) (330-54-1)*; *2-aminoethanol (141-43-5)*
  - New Jersey Worker and Community Right-to-Know Act: *Limestone (1317-65-3)*; *Quartz (1 % < RCS < 10%) (14808-60-7)*; *diuron (ISO) (330-54-1)*; *2-aminoethanol (141-43-5)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
  - New York RTK - Substance list: *diuron (ISO) (330-54-1)*; *2-aminoethanol (141-43-5)*
  - NTP (National Toxicology Program): *Quartz (1 % < RCS < 10%) (14808-60-7)*
  - OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): *Quartz (1 % < RCS < 10%) (14808-60-7)*
  - Pennsylvania Worker and Community Right-to-Know Law: *Limestone (1317-65-3)*; *Quartz (1 % < RCS < 10%) (14808-60-7)*; *diuron (ISO) (330-54-1)*; *2-aminoethanol (141-43-5)*
  - Rhode Island - Hazardous substances RTK: *diuron (ISO) (330-54-1)*
  - The Toxic Substances Control Act (TSCA) : *Water (7732-18-5)*; *Limestone (1317-65-3)*; *Fuller 's Earth (8031-18-3)*; *Quartz (1 % < RCS < 10%) (14808-60-7)*; *Benzyl-polyethylene glycol tert-octylphenyl ether (60864-33-7)*; *diuron (ISO) (330-54-1)*; *2-aminoethanol (141-43-5)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
  - Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *diuron (ISO) (330-54-1)*; *3-iodo-2-propynyl Butylcarbamate (55406-53-6)*
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: *diuron (ISO) (100 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:

H350: May cause cancer.

H317: May cause an allergic skin reaction.

#### 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:

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.

Carc. 1B: H350 - May cause cancer.

Carc. 2: H351 - Suspected of causing cancer.

Eye Dam. 1: H318 - Causes serious eye damage.

Flam. Liq. 4: H227 - Combustible liquid.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation).

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.

STOT SE 3: H335 - May cause respiratory irritation.

#### Advice related to training:

- CONTINUED ON NEXT PAGE -

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### SECTION 16: OTHER INFORMATION (continued)

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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Manufacturer Disclaimer: The information contained in this safety data 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).

END OF SAFETY DATA SHEET

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