

## 1. Identification

<b>Product Information.</b>	910132800
<b>Product Name:</b>	Ramuc Type DS Acrylic 328 Dawn Blue
<b>Recommended Use.</b>	Paints
<b>Uses advised against.</b>	Read label instructions and SDS
<b>Supplier.</b>	Modern Recreational Technologies, Inc. 2220 Highway 70 SE., Suite 100 Hickory, NC 28602 800-728-8258
<b>Emergency telephone number.</b>	Chemtrec: +1-800-424-9300 USA Chemtrec: +1 703-527-3887 ex-USA 24 hrs./day, 7 days/week

## 2. Hazards Identification

**GHS Classification in accordance with 29 CFR 1910.1200**  
Carcinogenicity, category 1B

**GHS Pictograms**



**Signal Word**  
Danger

**Unknown Acute Toxicity**  
27.5% of the mixture consists of ingredient(s) of unknown acute toxicity

### HAZARD STATEMENTS

May cause cancer.

#### Precautionary Statements - Prevention.

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves, protective clothing, eye protection, face protection

#### Precautionary Statements - Response.

If exposed or concerned: Get medical advice/attention.

#### Precautionary Statements - Storage.

Store locked up.

#### Precautionary Statements - Disposal.

Dispose of contents in accordance with local, regional, national, international regulations.

## 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
Titanium Dioxide	13463-67-7	10-25
Barium Sulfate	7727-43-7	2.5-10

Crystalline silica (quartz)	14808-60-7	2.5-10
Diacetone alcohol	123-42-2	1.0-2.5
Ethylene glycol monobutyl ether	111-76-2	1.0-2.5
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	0.1-1.0
Siloxanes and silanes, di-methyl, reaction products with silica / treated fumed silica	67762-90-7	<0.1

The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid Measures

### Description of first-aid measures.

#### **General advice.**

Move victim to a safe isolated area. When symptoms persist or in all cases of doubt seek medical advice.

Call a poison control center or doctor for treatment advice.

#### **Inhalation.**

Move to fresh air. Apply artificial respiration if victim is not breathing. Call a poison control center or doctor for treatment advice.

#### **Skin contact.**

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Call a poison control center or doctor for treatment advice.

#### **Eye contact.**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a poison control center or doctor for treatment advice.

#### **Ingestion.**

Do not induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. If swallowed, call a poison control center or doctor immediately.

#### **Symptoms.**

See Section 2 and Section 11, Toxicological effects for description of potential symptoms.

#### **Notes to physician.**

Treat symptomatically.

## 5. Fire-fighting Measures

### Extinguishing media.

#### **Suitable extinguishing media.**

Use: Dry powder. Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>).

#### **Extinguishing media which shall not be used for safety reasons.**

Water may be unsuitable for extinguishing fires.

### Special hazards arising from the substance or mixture.

No information available.

### Advice for firefighters.

Evacuate personnel to safe areas.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures.

#### **Personal precautions.**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. All equipment used when handling the product must be grounded. Wear protective gloves/clothing and eye/face protection. Do not breathe vapors or spray mist. Avoid exceeding of the given occupational exposure limits (see section 8). Thoroughly decontaminate all protective equipment after use.

#### **Advice for emergency responders.**

Refer to protective measures listed in sections 7 and 8. Use personal protection recommended in Section 8.

### Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

### **Methods and materials for containment and cleaning up.**

#### **Methods for Containment.**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Ground and bond containers when transferring material. Take precautionary measures against static discharges. Use personal protective equipment.

#### **Methods for cleaning up.**

Prevent further leakage or spillage if safe to do so. All equipment used when handling the product must be grounded. Ventilate the area. Use personal protective equipment as required. Clean contaminated objects and areas thoroughly while observing environmental regulations. Never return spills in original containers for re-use.

### **Reference to other sections.**

See section 8 for more information.

## **7. Handling and Storage**

### **Conditions for safe storage, including any incompatibilities.**

#### **Advice on safe handling.**

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Use according to package label instructions. Ground and bond containers when transferring material.

#### **Hygiene measures.**

Handle in accordance with good industrial hygiene and safety practice for diagnostics. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

#### **Storage Conditions.**

Keep container closed when not in use. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with local regulations. Keep from freezing. Keep away from food, drink and animal feedingstuffs.

## **8. Exposure Controls/Personal Protection**

### **Ingredients with Occupational Exposure Limits**

<b><u>Chemical Name</u></b>	<b><u>ACGIH TLV-TWA</u></b>	<b><u>ACGIH-TLV STEL</u></b>	<b><u>OSHA PEL-TWA</u></b>	<b><u>OSHA PEL-CEILING</u></b>
Titanium Dioxide	0.2 mg/m <sup>3</sup>	N.E.	15 mg/m <sup>3</sup>	N.E.
Barium Sulfate	5 mg/m <sup>3</sup>	N.E.	15 mg/m <sup>3</sup>	N.E.
Crystalline silica (quartz)	0.025 mg/m <sup>3</sup>	N.E.	50 µg/m <sup>3</sup>	N.E.
Diacetone alcohol	50 ppm	N.E.	50 ppm	N.E.
Ethylene glycol monobutyl ether	20 ppm	N.E.	50 ppm	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

#### **Engineering Measures.**

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.

#### **Personal protective equipment.**

##### **Eye/Face Protection.**

If splashes are likely to occur, wear:. Safety glasses with side-shields. Tightly fitting safety goggles.

##### **Skin and body protection.**

Use:. Protective shoes or boots. Wear impervious gloves and/or clothing if needed to prevent contact with the material. Gloves must be inspected prior to use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove and wash contaminated clothing before re-use.

**Respiratory protection.**

In case of inadequate ventilation wear respiratory protection. If exposure limits are exceeded or irritation is experienced, respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

## 9. Physical and chemical properties.

**Information on basic physical and chemical properties.**

Physical state	Liquid
Appearance	No Information
Color	Blue
Odor	Slightly sweet
Odor Threshold	No Information
pH	8.0-9.5
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	99 (210.20)
Boiling point/boiling range., °C (°F)	100 - 3,000 (212 - 5432)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	1.425
Water solubility.	No Information
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	>21 mm <sup>2</sup> /s

**Other information.**

Volatile organic compounds (VOC) content.	86 g/L
Density, lb/gal	11.870

## 10. Stability and Reactivity

**Reactivity.**

Stable under normal conditions.

**Chemical stability.**

Stable under recommended storage conditions.

**Possibility of hazardous reactions.**

None known based on information supplied.

**Conditions to Avoid.**

None known.

**Incompatible Materials.**

None known based on information supplied.

**Hazardous Decomposition Products.**

None known.

## 11. Toxicological Information

### Information on toxicological effects.

Acute toxicity.

#### Product Information

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	32,146.6 mg/kg
ATEmix (dermal)	118,916.8 mg/kg
ATEmix (inhalation - vapor)	254.63 mg/l

#### Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
13463-67-7	Titanium Dioxide	>10000 mg/kg Rat	N.I.	5.09 mg/L Rat (Dust)
123-42-2	Diacetone alcohol	>4000 mg/kg Rat	13630 mg/kg Rabbit	>7.23 mg/L Rat (Vapor)
111-76-2	Ethylene glycol monobutyl ether	470	2000	N.I.
64741-88-4	Petroleum distillates, solvent-refined heavy paraffinic	>5000 mg/kg Rat	>2000 mg/kg Rabbit	N.I.

N.I. = No Information

### Skin corrosion/irritation.

SKIN IRRITANT.

### Eye damage/irritation.

No Information

### Respiratory or skin sensitization.

No Information

### Ingestion.

No Information

### Germ cell mutagenicity.

No Information

### Carcinogenicity.

No Information

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
13463-67-7	Titanium Dioxide	IARC Group 2B	-	-
14808-60-7	Crystalline silica (quartz)	IARC Group 1	NTP Known Human Carcinogen	-
111-76-2	Ethylene glycol monobutyl ether	IARC Group 3	-	-
64741-88-4	Petroleum distillates, solvent-refined heavy paraffinic	IARC Group 1	NTP Known Human Carcinogen	-

### Reproductive toxicity.

No Information

### Specific target organ systemic toxicity (single exposure).

No Information

### Specific target organ systemic toxicity (repeated exposure).

May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard.

No Information

### Primary Route(s) of Entry

No Information

## 12. Ecological Information

### Toxicity.

37.53% of the mixture consists of ingredient(s) of unknown aquatic toxicity

### Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Diacetone alcohol 123-42-2	-	LC50 96 h Lepomis macrochirus 420 mg/L, LC50 96 h Lepomis macrochirus 420 mg/L	-
Ethylene glycol monobutyl ether 111-76-2	-	LC50 96 h Lepomis macrochirus 1490 mg/L, LC50 96 h Lepomis macrochirus 2950 mg/L	EC50 48 h Daphnia magna >1000 mg/L
Petroleum distillates, solvent- refined heavy paraffinic 64741-88-4	-	LC50 96 h Oncorhynchus mykiss >5000 mg/L	EC50 48 h Daphnia magna >1000 mg/L

### Persistence and degradability.

No data are available on the product itself.

### Bioaccumulative potential.

Discharge into the environment must be avoided.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>log POW</u>
123-42-2	Diacetone alcohol	1.03
111-76-2	Ethylene glycol monobutyl ether	0.81

### Mobility in soil.

No information

### Other adverse effects.

No information

## 13. Disposal Considerations

### Waste Disposal Guidance.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

**DOT** No Information

**Additional Information:** Not regulated. A liquid with a flashpoint above 200° F (93° C) is not regulated as a hazardous material.

**IMDG** No Information

**Additional Information:** Not regulated

**IATA** No Information

**Additional Information:** Not regulated

## 15. Regulatory Information

### International Inventories:

TSCA	Complies
DSL	-
DSL/NDSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AIIC	-
NZIoC	-

### TCSI

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDSL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AIIC	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

### U.S. Federal Regulations:

#### SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372: .

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight Percent</u>
Barium Sulfate	7727-43-7	2.5-10
Ethylene glycol monobutyl ether	111-76-2	1.0-2.5

#### TOXIC SUBSTANCES CONTROL ACT 12(b):

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

#### ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

#### CALIFORNIA PROPOSITION 65 CARCINOGENS



### WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
Titanium Dioxide	13463-67-7
Crystalline silica (Quartz) (Respirable)	14808-60-7
Benzene, (chloromethyl)-	100-44-7

#### CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

#### NOTICE

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

## 16. Other Information

**Revision Date:** 8/8/2023 **Supersedes Date:** 1/6/2022

**Reason for revision:** Substance Hazard Threshold % Changed  
 Substance and/or Product Properties Changed in Section(s):  
 01 - Product Information  
 08 - Exposure Controls/Personal Protection  
 09 - Physical & Chemical Information  
 11 - Toxicological Information  
 12 - Ecological Information  
 15 - Regulatory Information  
 Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

### HMIS Ratings:

<b>Health:</b>	1*	<b>Flammability:</b>	1	<b>Physical Hazard:</b>	0	<b>Personal Protection:</b>	X
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### NFPA Ratings:

<b>Health:</b>	1	<b>Flammability:</b>	1	<b>Instability:</b>	0	<b>Physical &amp; Chemical:</b>	---
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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