

# Material Safety Data Sheet

Ideapaint

## Manufacturer Information

### Manufacturer Information

IdeaPaint, Inc.  
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## Hazardous Composition

CAS #	Component	Percent
Trade Secret	Component A	32
13463-67-7	Titanium dioxide	17
123-86-4	n-Butyl acetate	16
Trade Secret	Component B	13
1330-20-7	Xylenes (o-, m-, p- isomers)	7
110-12-3	Methyl isoamyl ketone	3
7732-18-5	Water	3
7631-86-9	Silica, amorphous	2
21645-51-2	Aluminum hydroxide	2
100-41-4	Ethyl benzene	2
8052-41-3	Stoddard solvent	1
822-06-0	Hexamethylene diisocyanate	0.19
122-99-6	Ethylene glycol monophenyl ether	0.09
7397-62-8	Butyl glycolate	0.04
77-58-7	Dibutyltin dilaurate	0.01
111-76-2	2-Butoxyethanol	0.01
14808-60-7	Quartz	0.01
548-62-9	C.I. Basic violet 1	0.0003

### Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Titanium compounds, Butyl acetates, Flammable substances meeting the definition of risk phrase R10, Volatile organic compounds, Benzene compounds, Alkyl benzene, Aluminium oxides, Aluminium compounds, C9 through C18 Aliphatic hydrocarbons, Silica, crystalline (general form), Glycol ethers, Alcohols, n.o.s..

### Component Exposure Limits

#### Titanium dioxide (13463-67-7)

ACGIH: 10 mg/m<sup>3</sup> TWA  
OSHA: 10 mg/m<sup>3</sup> TWA (total dust)

#### n-Butyl acetate (123-86-4)

ACGIH: 150 ppm TWA  
200 ppm STEL  
OSHA: 150 ppm TWA; 710 mg/m<sup>3</sup> TWA  
200 ppm STEL; 950 mg/m<sup>3</sup> STEL  
NIOSH: 150 ppm TWA; 710 mg/m<sup>3</sup> TWA  
200 ppm STEL; 950 mg/m<sup>3</sup> STEL

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### **Xylenes (o-, m-, p- isomers) (1330-20-7)**

ACGIH: 100 ppm TWA  
150 ppm STEL  
OSHA: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
150 ppm STEL; 655 mg/m<sup>3</sup> STEL

### **Methyl isoamyl ketone (110-12-3)**

ACGIH: 50 ppm TWA  
OSHA: 50 ppm TWA; 240 mg/m<sup>3</sup> TWA  
NIOSH: 50 ppm TWA; 240 mg/m<sup>3</sup> TWA

### **Silica, amorphous (7631-86-9)**

NIOSH: 6 mg/m<sup>3</sup> TWA

### **Ethyl benzene (100-41-4)**

ACGIH: 100 ppm TWA  
125 ppm STEL  
OSHA: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
125 ppm STEL; 545 mg/m<sup>3</sup> STEL  
NIOSH: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
125 ppm STEL; 545 mg/m<sup>3</sup> STEL

### **Stoddard solvent (8052-41-3)**

ACGIH: 100 ppm TWA  
OSHA: 100 ppm TWA; 525 mg/m<sup>3</sup> TWA  
NIOSH: 350 mg/m<sup>3</sup> TWA  
1800 mg/m<sup>3</sup> Ceiling (15 min)

### **Hexamethylene diisocyanate (822-06-0)**

ACGIH: 0.005 ppm TWA  
NIOSH: 0.005 ppm TWA; 0.035 mg/m<sup>3</sup> TWA  
0.020 ppm Ceiling (10 min); 0.140 mg/m<sup>3</sup> Ceiling (10 min)

### **Quartz (14808-60-7)**

ACGIH: 0.025 mg/m<sup>3</sup> TWA (respirable fraction)  
OSHA: 0.1 mg/m<sup>3</sup> TWA (respirable dust)  
NIOSH: 0.05 mg/m<sup>3</sup> TWA (respirable dust)

### **2-Butoxyethanol (111-76-2)**

ACGIH: 20 ppm TWA  
OSHA: 25 ppm TWA; 120 mg/m<sup>3</sup> TWA  
Prevent or reduce skin absorption  
NIOSH: 5 ppm TWA; 24 mg/m<sup>3</sup> TWA  
Potential for dermal absorption

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## Physical/Chemical Properties

<b>Appearance:</b>	Off-white liquid	<b>Odor:</b>	Strong sweet
<b>Physical State:</b>	Liquid	<b>pH:</b>	6-9
<b>Vapor Pressure:</b>	N/A	<b>Vapor Density:</b>	Heavier than air
<b>Boiling Point:</b>	N/A	<b>Melting Point:</b>	N/A
<b>Solubility (H2O):</b>	Not soluble	<b>Specific Gravity:</b>	1.20-1.32 (Part A and Part B mixed)
<b>Evaporation Rate:</b>	Slower than ether	<b>VOC:</b>	320 g/L or 2.77 lbs/gal (Part A and Part B mixed)
<b>Octanol/H2O Coeff.:</b>	N/A	<b>Flash Point:</b>	170° Celsius
<b>Flash Point Method:</b>	ND	<b>Upper Flammability Limit (UFL):</b>	>9.44
<b>Lower Flammability Limit (LFL):</b>	1.69	<b>Burning Rate:</b>	ND
<b>Auto Ignition:</b>	ND		

## Fire and Explosion

**Flash Point:** 170° Celsius  
**Upper Flammable Limit (UFL):** >9.44  
**Auto Ignition:** ND

**Method Used:** Open Cup  
**Lower Flammable Limit (LFL):** 1.69  
**Flammability Classification:** Class A (Class I) Flame Spread: 5, Smoke Developed: 0

**Rate of Burning:** ND

### Extinguishing Media:

Use any media suitable for the surrounding fires.

### Special Fire Fighting Procedures:

Firefighters should wear full protective clothing including self contained breathing apparatus.

### Unusual Fire and Explosion Hazards:

None

## Reactivity Data

### Stability:

Stable under normal conditions.

### Hazardous Decomposition:

Thermal decomposition may form: carbon monoxide, carbon dioxide, smoke and various hydrocarbons

### Incompatibility:

None reasonably foreseeable

### Hazardous Polymerization:

Will not occur.

### Conditions To Avoid:

Heat, flame, sparks. Avoid contact with strong oxidizing agents, amines, strong bases, alcohols, copper alloys

## Health Hazard Data

### Routes of Entry:

Eye, skin and respiratory contact.

### Acute Skin Contact:

May cause irritation.

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## Chronic Skin Contact:

Not Determined

## Acute Eye Contact:

Contact can cause moderate to severe irritation and possible injury to the eyes.

## Acute Ingestion:

This product may be harmful if it is swallowed.

## Carcinogenicity:

### Component Carcinogenicity

#### Titanium dioxide (13463-67-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NIOSH: potential occupational carcinogen

IARC: Monograph 93 posted, Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999], Monograph 47 [1989] (Group 3 (not classifiable))

#### Silica, amorphous (7631-86-9)

IARC: Monograph 68 [1997], Supplement 7 [1987] (Group 3 (not classifiable))

#### Ethyl benzene (100-41-4)

ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans

IARC: Monograph 77 [2000] (Group 2B (possibly carcinogenic to humans))

#### Quartz (14808-60-7)

ACGIH: A2 - Suspected Human Carcinogen

NIOSH: potential occupational carcinogen

NTP: Known Human Carcinogen (Select Carcinogen)

IARC: Monograph 68 [1997] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources) (Group 1 (carcinogenic to humans))

#### 2-Butoxyethanol (111-76-2)

ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans

IARC: Monograph 88 [2006] (Group 3 (not classifiable))

## Medical Conditions Aggravated by Exposure:

Not Determined

## EMERGENCY & FIRST AID PROCEDURES

### Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

### Inhalation:

If the affected person is not breathing, apply artificial respiration.

### Skin Contact:

For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

### Eye Contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### Respiratory:

If the affected person is not breathing, apply artificial respiration.

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## Precautions for Safe Handling and Use

### Steps to be taken in case of release or spill:

Isolate area. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Absorb spill with inert material. Shovel material into appropriate container for disposal.

### Waste Disposal Method:

Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Follow all Local, State, Federal and Provincial regulations for disposal.

### Handling and Storage

Use this product with adequate ventilation. Avoid contact with skin and eyes. Keep the container in a well-ventilated place. Eliminate all sources of ignition.

### Transportation Information:

Not Regulated

### US DOT Information

Shipping Name: Not Regulated

## Control Measures

### Respiratory:

Respiratory protection; not normally required for ambient air concentrations not exceeding the Occupational Exposure Limit.

### Monitoring:

Not Applicable

### Medical Surveillance:

Not Applicable

### Skin:

Wear impervious gloves for prolonged contact.

### Eyes:

Wear safety glasses; chemical goggles (if splashing is possible).

### Ventilation Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

## Other Information:

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not product specification. The information in this data sheet was compiled from the information supplied by the vendors of the components of this compound. Neptune Research, Inc. makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Neptune Research, Inc. assumes no responsibility for injury from the use of the product described herein. This information is intended only to assist in the safe handling of this material.

### Additional Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.