

Material Safety Data Sheet

Ideapaint-Part A, ideapaint Pro This

Manufacturer Information

Manufacturer Information

IdeaPaint, Inc.
25 First Street
Suite 100
Cambridge, MA 02141

Phone: 617.714.1050
Fax: 617.714.1070
Emergency # Chemtrec 800.424.9300
Contact if leak, spill, fire, or exposure during transportation

Date Prepared:

7-30-09

Hazardous Composition

CAS #	Component	Percent
13463-67-7	Titanium dioxide	34-44
Trade Secret	Component A	25-35
123-86-4	n-Butyl acetate	14-25
7732-18-5	Water	10-20
1330-20-7	Xylenes (o-, m-, p- isomers)	0-10
7631-86-9	Silica, amorphous	0-9
21645-51-2	Aluminum hydroxide	0-9
110-12-3	Methyl isoamyl ketone	0-8
79-09-4	Propionic acid	0-7
100-41-4	Ethyl benzene	0-6
8052-41-3	Stoddard solvent	0-5
122-99-6	Ethylene glycol monophenyl ether	0-1
7397-62-8	Butyl glycolate	0-1
111-76-2	2-Butoxyethanol	0-1
77-58-7	Dibutyltin dilaurate	0-1
14808-60-7	Quartz	0-1
548-62-9	C.I. Basic violet 1	0-1

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, Glycol ethers, Alcohols, n.o.s., Silica, crystalline (general form).

Component Exposure Limits

Titanium dioxide

ACGIH: 10 mg/m3 TWA
OSHA: 10 mg/m3 TWA (total dust)

n-Butyl acetate

ACGIH: 150 ppm TWA
200 ppm STEL
OSHA: 150 ppm TWA; 710 mg/m3 TWA
200 ppm STEL; 950 mg/m3 STEL
NIOSH: 150 ppm TWA; 710 mg/m3 TWA
200 ppm STEL; 950 mg/m3 STEL

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Xylenes (o-, m-, p- isomers)

ACGIH: 100 ppm TWA
150 ppm STEL
OSHA: 100 ppm TWA; 435 mg/m3 TWA
150 ppm STEL; 655 mg/m3 STEL

Silica, amorphous

NIOSH: 6 mg/m3 TWA

Methyl isoamyl ketone

ACGIH: 50 ppm TWA
OSHA: 50 ppm TWA; 240 mg/m3 TWA
NIOSH: 50 ppm TWA; 240 mg/m3 TWA

Propionic acid (79-09-4)

ACGIH: 10 ppm TWA
OSHA: 10 ppm TWA; 30 mg/m3 TWA
NIOSH: 10 ppm TWA; 30 mg/m3 TWA
15 ppm STEL; 45 mg/m3 STEL

Ethyl benzene

ACGIH: 100 ppm TWA
125 ppm STEL
OSHA: 100 ppm TWA; 435 mg/m3 TWA
125 ppm STEL; 545 mg/m3 STEL
NIOSH: 100 ppm TWA; 435 mg/m3 TWA
125 ppm STEL; 545 mg/m3 STEL

Stoddard solvent

ACGIH: 100 ppm TWA
OSHA: 100 ppm TWA; 525 mg/m3 TWA
NIOSH: 350 mg/m3 TWA
1800 mg/m3 Ceiling (15 min)

2-Butoxyethanol

ACGIH: 20 ppm TWA
OSHA: 25 ppm TWA; 120 mg/m3 TWA
Prevent or reduce skin absorption
NIOSH: 5 ppm TWA; 24 mg/m3 TWA
Potential for dermal absorption

Quartz

ACGIH: 0.025 mg/m3 TWA (respirable fraction)
OSHA: 0.1 mg/m3 TWA (respirable dust)
NIOSH: 0.05 mg/m3 TWA (respirable dust)

Physical/Chemical Properties

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Appearance:	Off-white liquid	Odor:	Strong sweet
Physical State:	Liquid	pH:	6-9
Vapor Pressure:	N/A	Vapor Density:	Heavier than air
Boiling Point:	N/A	Melting Point:	N/A
Solubility (H2O):	Not soluble	Specific Gravity:	1.20-1.32
Evaporation Rate:	Slower than ether	VOC:	320 g/L or 2.77 lbs/gal
Octanol/H2O Coeff.:	N/A	Flash Point:	80°F
Flash Point Method:	Setaflash	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	ND		

Fire and Explosion

Flash Point: 80°F
Upper Flammable Limit (UFL): ND
Auto Ignition: ND
Rate of Burning: ND

Method Used: Setaflash
Lower Flammable Limit (LFL): ND
Flammability Classification: 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:

Not Determined

Incompatibility:

Not Determined

Hazardous Polymerization:

Will not occur.

Conditions To Avoid:

Not Determined

Health Hazard Data

Routes of Entry:

Eye, skin and respiratory contact.

Acute Skin Contact:

May cause irritation.

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.

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Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Titanium dioxide

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NIOSH: potential occupational carcinogen

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

Xylenes (o-, m-, p- isomers)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

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

Silica, amorphous

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

Ethyl benzene

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

2-Butoxyethanol

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

Quartz

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))

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.

Precautions for Safe Handling and Use

Steps to 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.

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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:

Packaging Volume: 12.48 oz or 0.37L

Ground Shipment:

Shipping Name: Consumer Commodity – ORM-D

Air Shipment:

Shipping Name: Flammable liquids, n.o.s.

UN/NA #: 1993 **Hazard Class:** 3 **Packing Group:** III

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 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.

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Date Prepared:

7-30-09

Hazardous Composition

CAS #	Component	Percent
28182-81-2	Hexamethylene diisocyanate homopolymer	60-100
123-86-4	n-Butyl acetate	10-20
1330-20-7	Xylenes (o-, m-, p- isomers)	7-13
100-41-4	Ethyl benzene	<2
822-06-0	Hexamethylene diisocyanate	<0.6

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Butyl acetates, Flammable substances meeting the definition of risk phrase R10, Volatile organic compounds, Benzene compounds, Alkyl benzene.

Component Exposure Limits

n-Butyl acetate

ACGIH: 150 ppm TWA
200 ppm STEL
OSHA: 150 ppm TWA; 710 mg/m³ TWA
200 ppm STEL; 950 mg/m³ STEL
NIOSH: 150 ppm TWA; 710 mg/m³ TWA
200 ppm STEL; 950 mg/m³ STEL

Xylenes (o-, m-, p- isomers)

ACGIH: 100 ppm TWA
150 ppm STEL
OSHA: 100 ppm TWA; 435 mg/m³ TWA
150 ppm STEL; 655 mg/m³ STEL

Ethyl benzene

ACGIH: 100 ppm TWA
125 ppm STEL
OSHA: 100 ppm TWA; 435 mg/m³ TWA
125 ppm STEL; 545 mg/m³ STEL
NIOSH: 100 ppm TWA; 435 mg/m³ TWA
125 ppm STEL; 545 mg/m³ STEL

Hexamethylene diisocyanate

ACGIH: 0.005 ppm TWA
NIOSH: 0.005 ppm TWA; 0.035 mg/m³ TWA
0.020 ppm Ceiling (10 min); 0.140 mg/m³ Ceiling (10 min)

Physical/Chemical Properties

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Appearance:	Clear, pale yellow liquid	Odor:	Strong sweet
Physical State:	Liquid	pH:	6-9
Vapor Pressure:	N/A	Vapor Density:	Heavier than air
Boiling Point:	N/A	Melting Point:	N/A
Solubility (H2O):	Not soluble	Specific Gravity:	1.20-1.32
Evaporation Rate:	Slower than ether	VOC:	N/A
Octanol/H2O Coeff.:	N/A	Flash Point:	91°F
Flash Point Method:	Setaflash	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	ND		

Fire and Explosion

Flash Point: 91°F
Upper Flammable Limit (UFL): ND
Auto Ignition: ND
Rate of Burning: ND

Method Used: Setaflash
Lower Flammable Limit (LFL): ND
Flammability Classification: 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:

Not Determined

Incompatibility:

Not Determined

Hazardous Polymerization:

Will not occur.

Conditions To Avoid:

Not Determined

Health Hazard Data

Routes of Entry:

Eye, skin and respiratory contact.

Acute Skin Contact:

May cause irritation.

Chronic Skin Contact:

Not Determined

Acute Eye Contact:

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

Acute Ingestion:

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Xylenes (o-, m-, p- isomers)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

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

Ethyl benzene

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

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.

Precautions for Safe Handling and Use

Steps to 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.

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Packaging Volume: 12.05 oz or 0.36 L

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Shipping Name: Consumer Commodity – ORM-D

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Shipping Name: Flammable liquids, n.o.s.

UN/NA #: 1993 **Hazard Class:** 3 **Packing Group:** III

Control Measures

Respiratory:

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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:

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