

# MATERIAL SAFETY DATA SHEET

## IdeaPaint- Part A, Idea Paint Pro This

FILE NO.:  
MSDS DATE: 1 / 26 /2010

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: IdeaPaint – Part A, IdeaPaint Pro This  
SYNONYMS:  
PRODUCT CODES:

MANUFACTURER: IdeaPaint, Inc.  
DIVISION:  
ADDRESS: 25 First Street  
Suite 100  
Cambridge, MA 02141

EMERGENCY PHONE: 617-714-1050  
CHEMTREC PHONE: 800-424-9300  
OTHER CALLS:  
FAX PHONE: 617-714-1070

CHEMICAL NAME:  
CHEMICAL FAMILY: Paint  
CHEMICAL FORMULA:

PRODUCT USE:  
PREPARED BY:

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	Component	% WT
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-)	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 Exposure Limits

	ppm	mg/m <sup>3</sup>
<b>Titanium Dioxide</b>		
OSHA PEL-TWA:		10
OSHA PEL STEL :		
OSHA PEL CEILING:		
ACGIH TLV-TWA:		10
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
<b>n-Butyl Acetate</b>		
OSHA PEL-TWA:	150	710
OSHA PEL STEL :	200	950
ACGIH TLV-TWA:	150	
ACGIH TLV STEL:	200	
ACGIH TLV CEILING:		

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NIOSH TWA	150	710
NIOSH STEL	200	950
<b>Xylenes (o-m-p-)</b>		
OSHA PEL-TWA:	100	435
OSHA PEL STEL :	150	635
ACGIH TLV-TWA:	100	
ACGIH TLV STEL:	150	
ACGIH TLV CEILING:		
<b>Silica. Amorphous</b>		
OSHA PEL – TWA		10
OSHA PEL STEL		
ACGIH TLV-TWA:		10
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA		6
NIOSH STEL		
<b>Methyl Isoamyl Ketone</b>		
OSHA PEL – TWA	50	240
OSHA PEL STEL		
ACGIH TLV-TWA:	50	
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA	50	240
NIOSH STEL		
<b>Propionic Acid</b>		
OSHA PEL – TWA	10	30
OSHA PEL STEL		
ACGIH TLV-TWA:	10	
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA	10	30
NIOSH STEL	15	45
<b>Ethyl Benzene</b>		
OSHA PEL – TWA	100	435
OSHA PEL STEL	125	545
ACGIH TLV-TWA:	100	
ACGIH TLV STEL:	125	
ACGIH TLV CEILING:		
NIOSH TWA	100	435
NIOSH STEL	125	545
<b>Stoddard Solvent</b>		
OSHA PEL – TWA	100	525
OSHA PEL STEL		
ACGIH TLV-TWA:	100	10
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA		350
NIOSH STEL		1800
<b>2-Butoxyethanol</b>		
OSHA PEL – TWA	25	120 (Prevent or Reduce Skin Absorption)
OSHA PEL STEL		
ACGIH TLV-TWA:	20	



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OSHA: Not Listed      ACGIH: A-3 Confirmed Animal Carcinogen      NTP: Not Listed  
IARC: Group 2B (Possibly Carcinogenic to Humans)      NIOSH: Not Listed

### 2-Butoxyetnol

OSHA: Not Listed      ACGIH: A-3 Confirmed Animal Carcinogen      NTP: Not Listed  
IARC: Group 3 (Not Classifiable)      NIOSH: Potential Occupational Carcinogen

### Quartz

OSHA: Human Carcinogen      ACGIH: A2 Suspected Human Carcinogen      NTP: Known Human Carcinogen  
IARC: Group 1 (Carcinogenic to Humans)      NIOSH: Potential Occupational Carcinogen

## SECTION 4: FIRST AID MEASURES

**EYES:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

**SKIN:** Wash affected area thoroughly with soap and water. If symptoms develop, seek medical attention.

**INGESTION:** Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop, seek medical attention.

**INHALATION:** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist, seek medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, UPPER:** > 9.44% at 100° C  
(% BY VOLUME)      **LOWER:** 1.69% at 100° C

### FLASH POINT:

F: 80°

C:

**METHOD USED:** SetaFlash

### AUTOIGNITION TEMPERATURE: ND

F:

C:

### NFPA HAZARD CLASSIFICATION

HEALTH: 1      FLAMMABILITY: 3      REACTIVITY: 0  
OTHER:

### HMIS HAZARD CLASSIFICATION

HEALTH: 1      FLAMMABILITY: 3      REACTIVITY: 0  
PROTECTION: H

**EXTINGUISHING MEDIA:** Use Carbon Dioxide, Dry Chemical, Foam, Water Fog or Water Spray

**SPECIAL FIRE FIGHTING PROCEDURES:** Fire fighters should wear NIOSH approved Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapors or fumes. Water spray may be used to cool down heat-exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Flammable liquid and vapor. Vapor/air mixtures may ignite explosively. Flashback along the vapor trail may occur. Runoff to sewer may create fire or explosion hazard.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under fire conditions, this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Wear appropriate personal protective clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible, contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean, non-sparking tools to collect the material and place

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into suitable labeled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs, inform the local water authorities and EPA in accordance with local regulations.

### SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with adequate ventilation. Use approved flammable liquid storage containers in the work area. Prevent release of vapors and mists into workplace air. Keep containers closed when not in use. Take precautionary measures against static discharges. Keep material away from sparks, flames and other ignition sources. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

**OTHER PRECAUTIONS:** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidizing agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### ENGINEERING CONTROLS:

**VENTILATION :** Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapors or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required.

**RESPIRATORY PROTECTION:** NIOSH Approved positive pressure air supplied full face respirator is preferred for long term use, for industrial applications. Cartridge filter mask for organic vapors is acceptable for short periods depending on risk assessment. The final choice of appropriate personal protection will vary according to individual circumstances. This can include methods of handling and engineering controls as determined by appropriate applicator risk assessment.

**EYE PROTECTION:** Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances

**SKIN PROTECTION:** Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Suitable protective work wear (e.g. cotton overalls buttoned at the neck and wrist) is recommended. Chemical resistant apron is recommended where large quantities are handled

#### WORK HYGIENIC PRACTICES:

**EXPOSURE GUIDELINES:** See Section 2 Above

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Off-White Liquid

**ODOR:** Strong Sweet

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** 6-9

**pH (Other):**

**BOILING POINT:** N/A

F:

C:

**MELTING POINT:** N/A

F:

C:

**FREEZING POINT:** N/A

F:

C:

**VAPOR PRESSURE (mmHg):** N/A

@

F:

C:

**VAPOR DENSITY (AIR = 1):** Heavier Than Air

@

F:

C:

**SPECIFIC GRAVITY (H2O = 1):** 1.20-1.32

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@

F:

C:

EVAPORATION RATE: **Slower Than Ether**

BASIS (=1):

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: **Insoluble**

PERCENT SOLIDS BY WEIGHT:

PERCENT VOLATILE:

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER:	LBS/GAL
WITHOUT WATER:	LBS/GAL

MOLECULAR WEIGHT:

VISCOSITY:

@

F:

C:

### SECTION 10: STABILITY AND REACTIVITY

**STABLE**

**UNSTABLE**

STABILITY: **Under Normal Conditions**

CONDITIONS TO AVOID (STABILITY): **Heat, open flames and other sources of ignition.**

INCOMPATIBILITY (MATERIAL TO AVOID): **Strong Oxidizing Agents**

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: **Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.**

HAZARDOUS POLYMERIZATION: **Will not occur.**

CONDITIONS TO AVOID (POLYMERIZATION):

### SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **No toxicity data are available for this specific product. See Sections 2 and 3 Above.**

### SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: **Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**

OTHER: **Prevent this material from, entering waterways, drains and sewers.**

### SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: **Dispose of waste according to local and national regulations.**

RCRA HAZARD CLASS: **Not determined**

### SECTION 14: TRANSPORT INFORMATION

TRANSPORTATION INFORMATION: **Packaging Volume: 12.28 oz. or 0.37 L**

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: [Consumer Commodity – ORM-D](#)  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENT:

### WATER TRANSPORTATION

PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

### AIR TRANSPORTATION

PROPER SHIPPING NAME: [Flammable Liquids, n.o.s.](#)  
HAZARD CLASS: [3](#)  
ID NUMBER:  
PACKING GROUP: [III](#)  
LABEL STATEMENTS:

### OTHER AGENCIES:

### SECTION 15: REGULATORY INFORMATION

#### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): [8 \(b\) Inventory](#)

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): [Hazardous Substance](#)

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

#### STATE REGULATIONS:

[Pennsylvania Right-to- Know](#)  
[Massachusetts Right-to-Know](#)

#### INTERNATIONAL REGULATIONS:

WHMIS (Canada): [Class B-2: Flammable Liquid with a Flash Point Lower Than 37.8° C \(100° F\)](#)  
[Class D-2 Material Causing Other Toxic Effects \(Toxic\)](#)

DSCL (EEC): [R10 Flammable; R-20 Harmful by Inhalation; R36/38 Irritating to Eyes and Skin](#)

### SECTION 16: OTHER INFORMATION

OTHER INFORMATION: [MSDS Created: January 2010](#)

#### PREPARATION INFORMATION:

DISCLAIMER: [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 and or Local laws and regulations.](#)

# MATERIAL SAFETY DATA SHEET

## IdeaPaint- Part B, Idea Paint Pro This

FILE NO.:  
MSDS DATE: 1 / 27 /2010

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: IdeaPaint – Part B, IdeaPaint Pro This  
SYNONYMS:  
PRODUCT CODES:

MANUFACTURER: IdeaPaint, Inc.  
DIVISION:  
ADDRESS: 25 First Street  
Suite 100  
Cambridge, MA 02141

EMERGENCY PHONE: 617-714-1050  
CHEMTREC PHONE: 800-424-9300  
OTHER CALLS:  
FAX PHONE: 617-714-1070

CHEMICAL NAME:  
CHEMICAL FAMILY: Paint  
CHEMICAL FORMULA:

PRODUCT USE: Part B of a two-pack paint system.  
PREPARED BY:

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	Component	% WT
28182-81-2	Hexamethylene Diisocyanate, Homopolymer	60-100
123-86-4	n-Butyl Acetate	10-20
1330-20-7	Xylenes (o-,m-,p-)	7-13
100-41-4	Ethyl Benzene	<2.0
822-06-0	Hexamethylene Diisocyanate	<0.6

#### Component Exposure Limits

	ppm	mg/m <sup>3</sup>
<b>Hexamethylene Diisocyanate</b>		
OSHA PEL-TWA:	None	
OSHA PEL STEL :		
OSHA PEL CEILING:		
ACGIH TLV-TWA:	0.005	
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA:	0.005	
NIOSH STEL:	0.020 (Ceiling – 10 Min.)	140 (Ceiling – 10 Min.)
<b>n-Butyl Acetate</b>		
OSHA PEL-TWA:	150	710
OSHA PEL STEL :	200	950
ACGIH TLV-TWA:	150	
ACGIH TLV STEL:	200	
ACGIH TLV CEILING:		
NIOSH TWA	150	710
NIOSH STEL	200	950
<b>Xylenes (o-m-,p-)</b>		
OSHA PEL-TWA:	100	435
OSHA PEL STEL :	150	655

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ACGIH TLV-TWA: 100  
ACGIH TLV STEL: 150  
ACGIH TLV CEILING:

### Ethyl benzene

OSHA PEL-TWA: 100 435  
OSHA PEL STEL : 125 545  
OSHA PEL CEILING:

ACGIH TLV-TWA: 100  
ACGIH TLV STEL: 125  
ACGIH TLV CEILING:

NIOSH TWA: 100 435  
NIOSH STEL: 125 545

**TWA (Time Weighted Average):** The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

**STEL (Short Term Exposure Limit):** The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

**'Skin' Notice:** Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. No biological limits allocated.

### SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Flammable. Hazardous Substance

**ROUTES OF ENTRY:** Lungs, Gastrointestinal Tract, Skin, and Eyes

#### POTENTIAL HEALTH EFFECTS

**EYES:** May be irritating to eyes. Upon eye contact, this product will cause, tearing, stinging, blurred vision, and redness.

**SKIN:** May be irritating to the skin. May cause skin sensitization. The symptoms may include redness, itching, and swelling. Repeated exposure may cause skin dryness and cracking.

**INGESTION:** Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**INHALATION:** Harmful via inhalation. May cause respiratory sensitization. Inhalation of product vapors may cause irritation of the nose, throat, and respiratory system. Vapors may cause drowsiness and dizziness.

**ACUTE HEALTH HAZARDS:** Very hazardous in case of ingestion. Hazardous in case of skin contact (irritation), of eye contact (irritant), of inhalation. May cause skin and respiratory sensitization.

**CHRONIC HEALTH HAZARDS:** See Carcinogenicity data below.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

#### CARCINOGENICITY

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

OSHA: Not Listed                      ACGIH: A-4 Not Classifiable as a Human Carcinogen      NTP: Not Listed  
IARC: Group 3 (Not Classifiable)                      NIOSH: Potential Occupational Carcinogen

##### Ethyl benzene

OSHA: Not Listed                      ACGIH: A-3 Confirmed Animal Carcinogen      NTP: Not Listed  
IARC: Group 2B (Possibly Carcinogenic to Humans)                      NIOSH: Not Listed

### SECTION 4: FIRST AID MEASURES

**EYES:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

**SKIN:** Wash affected area thoroughly with soap and water. If symptoms develop, seek medical attention.

**INGESTION:** Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop, seek medical attention.

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**INHALATION:** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist, seek medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treat symptomatically.

### SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, UPPER:** > 9.44% at 100° C  
(% BY VOLUME)      **LOWER:** 1.69% at 100° C

#### FLASH POINT:

F: 91°

C:

**METHOD USED:** SetaFlash

#### AUTOIGNITION TEMPERATURE: ND

F:

C:

#### NFPA HAZARD CLASSIFICATION

**HEALTH:** 1      **FLAMMABILITY:** 3      **REACTIVITY:** 0  
**OTHER:**

#### HMIS HAZARD CLASSIFICATION

**HEALTH:** 1      **FLAMMABILITY:** 3      **REACTIVITY:** 0  
**PROTECTION:** H

**EXTINGUISHING MEDIA:** Use Carbon Dioxide, Dry Chemical, Foam, Water Fog or Water Spray

**SPECIAL FIRE FIGHTING PROCEDURES:** Fire fighters should wear NIOSH approved Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapors or fumes. Water spray may be used to cool down heat-exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Flammable liquid and vapor. Vapor/air mixtures may ignite explosively. Flashback along the vapor trail may occur. Runoff to sewer may create fire or explosion hazard.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of nitrogen, isocyanate vapors, traces of hydrogen cyanide, carbon monoxide and carbon dioxide.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Wear appropriate personal protective clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible, contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean, non-sparking tools to collect the material and place into suitable labeled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs, inform the local water authorities and EPA in accordance with local regulations.

### SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with adequate ventilation. Use approved flammable liquid storage containers in the work area. Prevent release of vapors and mists into workplace air. Keep containers closed when not in use. Take precautionary measures against static discharges. Keep material away from sparks, flames and other ignition sources. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

**OTHER PRECAUTIONS:** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidizing agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Reference should also be made to all applicable local and national regulations.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

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**VENTILATION :** Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapors or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required.

**RESPIRATORY PROTECTION:** NIOSH Approved positive pressure air supplied full face respirator is preferred for long term use, for industrial applications. Cartridge filter mask for organic vapors is acceptable for short periods depending on risk assessment. The final choice of appropriate personal protection will vary according to individual circumstances. This can include methods of handling and engineering controls as determined by appropriate applicator risk assessment.

**EYE PROTECTION:** Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances

**SKIN PROTECTION:** Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Suitable protective work wear (e.g. cotton overalls buttoned at the neck and wrist) is recommended. Chemical resistant apron is recommended where large quantities are handled

**WORK HYGIENIC PRACTICES:**

**EXPOSURE GUIDELINES:** See Section 2 Above

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, pale yellow liquid

**ODOR:** Strong Sweet

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** 6-9

**pH (Other):**

**BOILING POINT:** N/A

F:

C:

**MELTING POINT:** N/A

F:

C:

**FREEZING POINT:** N/A

F:

C:

**VAPOR PRESSURE (mmHg):** N/A

@

F:

C:

**VAPOR DENSITY (AIR = 1):** Heavier Than Air

@

F:

C:

**SPECIFIC GRAVITY (H2O = 1):** 1.20-1.32

@

F:

C:

**EVAPORATION RATE:** Slower Than Ether

**BASIS (=1):**

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

**SOLUBILITY IN WATER:** Insoluble

**PERCENT SOLIDS BY WEIGHT:**

**PERCENT VOLATILE:**

BY WT/ BY VOL @

F:

C:

**VOLATILE ORGANIC COMPOUNDS (VOC):**

WITH WATER: LBS/GAL  
WITHOUT WATER: LBS/GAL

**MOLECULAR WEIGHT:**

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VISCOSITY:

@

F:

C:

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### SECTION 10: STABILITY AND REACTIVITY

**STABLE**

**UNSTABLE**

STABILITY: Under Normal Conditions

CONDITIONS TO AVOID (STABILITY): Heat, open flames and other sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Oxidizing Agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of nitrogen, isocyanate vapors, traces of hydrogen cyanide, carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION):

### SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No information available on this product. See Sections 2 and 3 Above

### SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available. Not expected to be readily biodegradable.

OTHER: Prevent this material from, entering waterways, drains and sewers.

### SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of waste according to local and national regulations.

RCRA HAZARD CLASS: Not determined

### SECTION 14: TRANSPORT INFORMATION

TRANSPORTATION INFORMATION: Packaging Volume: 12.05 oz. or 0.36 L

### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Consumer Commodity – ORM-D

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

### WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

### AIR TRANSPORTATION

PROPER SHIPPING NAME: Flammable Liquids, n.o.s.

HAZARD CLASS: 3

ID NUMBER:

PACKING GROUP: III

LABEL STATEMENTS:

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**OTHER AGENCIES:**

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS**

TSCA (TOXIC SUBSTANCE CONTROL ACT): [8\(b\) Inventory](#)

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): [Hazardous Substance](#)

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

**STATE REGULATIONS:**

[Pennsylvania Right-to- Know](#)  
[Massachusetts Right-to-Know](#)

**INTERNATIONAL REGULATIONS:**

WHMIS (Canada): [Class B-2: Flammable Liquid with a Flash Point Lower Than 37.8° C \(100° F\)](#)  
[Class D-2 Material Causing Other toxic Effects \(Toxic\)](#)

DSCL (EEC): [R10 Flammable; R-20 Harmful by Inhalation: R36/38 Irritating to Eyes and Skin](#)

**SECTION 16: OTHER INFORMATION**

**OTHER INFORMATION:** [MSDS Created: January 2010](#)

**PREPARATION INFORMATION:**

**DISCLAIMER:** [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 and or Local laws and regulations.](#)