

MATERIAL SAFETY DATA SHEET

tabrasa ultra™ by IdeaPaint - Part A

FILE NO.:
MSDS DATE: 4/22/10

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: tabrasa ultra – Part A, White
 SYNONYMS: tabrasa ultra – Part A, white sand; tabrasa ultra – Part A, light gray; tabrasa ultra – Part A, off-white; tabrasa ultra – Part A, light beige

PRODUCT CODES:
 MANUFACTURER: IdeaPaint, Inc.
 DIVISION:
 ADDRESS: 290 Eliot St.
 2nd Floor
 Ashland, MA 01721

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 A of a two component dry erase coating
 PREPARED BY:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS NO.</u>	<u>Component</u>	<u>% WT</u>
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

	<u>ppm</u>	<u>mg/m3</u>
Titanium Dioxide		
OSHA PEL-TWA:		10
OSHA PEL STEL :		
OSHA PEL CEILING:		
ACGIH TLV-TWA:		10
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
n-Butyl Acetate		
OSHA PEL-TWA:	150	710
OSHA PEL STEL :	200	950

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ACGIH TLV-TWA: 150
 ACGIH TLV STEL: 200
 ACGIH TLV CEILING:

NIOSH TWA 150 710
 NIOSH STEL 200 950

Xylenes (o-m-,p-)

OSHA PEL-TWA: 100 435
 OSHA PEL STEL : 150 635

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

Silica. Amorphous

OSHA PEL – TWA 10
 OSHA PEL STEL

ACGIH TLV-TWA: 10
 ACGIH TLV STEL:
 ACGIH TLV CEILING:

NIOSH TWA 6
 NIOSH STEL

Methyl Isoamyl Ketone

OSHA PEL – TWA 50 240
 OSHA PEL STEL

ACGIH TLV-TWA: 50
 ACGIH TLV STEL:
 ACGIH TLV CEILING:

NIOSH TWA 50 240
 NIOSH STEL

Propionic Acid

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

Ethyl Benzene

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

Stoddard Solvent

OSHA PEL – TWA 100 525
 OSHA PEL STEL

ACGIH TLV-TWA: 100 10
 ACGIH TLV STEL:
 ACGIH TLV CEILING:

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NIOSH TWA		350
NIOSH STEL		1800
2-Butoxyethanol		
OSHA PEL – TWA	25	120 (Prevent or Reduce Skin Absorption)
OSHA PEL STEL		
ACGIH TLV-TWA:	20	
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA	5	24 (Potential for Dermal Absorption)
NIOSH STEL		
Quartz		
OSHA PEL – TWA		0.10 (Respirable Fraction)
OSHA PEL STEL		
ACGIH TLV-TWA:		0.025 (Respirable Dust)
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA		0.05 (Respirable Dust)
NIOSH STEL		

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 harmful in contact with the skin. Irritating to the skin. 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. 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. Slightly hazardous in case of skin contact (permeator).

CHRONIC HEALTH HAZARDS: See Carcinogenicity data below.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

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CARCINOGENICITY

Titanium Dioxide

OSHA: Not Listed ACGIH: A-4 Not Classifiable as a Human Carcinogen NTP: Not Listed
IARC: Group 2B (Possibly Carcinogenic to Humans) NIOSH: Potential Occupational Carcinogen

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

Silica, Amorphous

OSHA: Not Listed ACGIH: Not Listed NTP: Not Listed
IARC: Group 3 (Not Classifiable) NIOSH: Not Listed

Ethyl benzene

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

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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 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

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PHYSICAL STATE: Liquid

pH AS SUPPLIED: 6-9
pH (Other):

BOILING POINT: Not Applicable

F:
C:

MELTING POINT: Not Applicable

F:
C:

FREEZING POINT: Not Applicable

F:
C:

VAPOR PRESSURE (mmHg): Not Applicable

@

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): Not Applicable

SOLUBILITY IN WATER: Insoluble

PERCENT SOLIDS BY WEIGHT: Not Applicable

PERCENT VOLATILE: Not Applicable
BY WT/ BY VOL @

F:
C:

VOLATILE ORGANIC COMPOUNDS (VOC): 320 grams/liter Part A & Part B combined

MOLECULAR WEIGHT: Not Applicable

VISCOSITY: Not Applicable

@

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): Not Applicable

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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: 12.7 oz. or 0.37 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:

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:

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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
tabrasa`ultra^{HA} by IdeaPaint - Part B

FILE NO.:
 MSDS DATE: 4/22/10

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: tabrasa ultra – Part B
 SYNONYMS:
 PRODUCT CODES:
 MANUFACTURER: IdeaPaint, Inc.
 DIVISION:
 ADDRESS: 290 Eliot St.
 2nd Floor
 Ashland, MA 01721
 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 component dry erase coating
 PREPARED BY:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS NO.</u>	<u>Component</u>	<u>% WT</u>
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

	<u>ppm</u>	<u>mg/m3</u>
Hexamethylene Diisocyanate		
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.)
n-Butyl Acetate		
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

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Xylenes (o-m-,p-)		
OSHA PEL-TWA:	100	435
OSHA PEL STEL :	150	655
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

MATERIAL SAFETY DATA SHEET

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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: 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.

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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:

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: Not Applicable

F:

C:

MELTING POINT: Not Applicable

F:

C:

FREEZING POINT: Not Applicable

F:

C:

VAPOR PRESSURE (mmHg): Not Applicable

@

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): Not Applicable

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SOLUBILITY IN WATER: Insoluble

PERCENT SOLIDS BY WEIGHT: Not Applicable

PERCENT VOLATILE: Not Applicable
BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): 320 grams/liter Part A & Part B combined

MOLECULAR WEIGHT: Not Applicable

VISCOSITY: Not Applicable

@

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 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:

MATERIAL SAFETY DATA SHEET
tabrasa ultra™ by IdeaPaint - Part B

FILE NO.:

MSDS DATE: 4/22/10

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)

DSDL (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.