

MATERIAL SAFETY DATA SHEET

IdeaPaint CRE-8; IdeaPaint Water-borne

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

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: IdeaPaint CRE-8 That – White; IdeaPaint Water-borne – Part A, White
SYNONYMS: IdeaPaint CRE-8 That – white sand, IdeaPaint CRE-8 That - light gray, IdeaPaint CRE-8 That - off-white, IdeaPaint CRE-8 That - light beige, IdeaPaint CRE-8 That - gray, IdeaPaint CRE-8 That - light green, IdeaPaint CRE-8 That - orange

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>
17732-18-5	Water	39-59
3463-67-7	Titanium Dioxide	15-25
Trade Secret	Component A1	15-25
71-36-3	n-Butyl Alcohol	3-8
7631-86-9	Silica, Amorphous	2-7
21645-51-2	Aluminum Hydroxide	1-5
Trade Secret	Component A2	1-5
Trade Secret	Component A3	1-5
Not Available	Alkylarylalkoxylate	0.5-0.65
Not Available	Ester/Styrene Maleic Anhydride Copolymer	0.3-0.80
Trade Secret	Component A4	0.2-0.70
100-42-5	Styrene	0.1-0.06
107-21-1	Ethylene Glycol	0.1-0.06
10605-21-17	Methyl -2-Benzimidazole Carbamate	0.1-0.06
1332-58-7	Kaolin	0.1-0.06
126-86-3	5-Decyne-4, 7-Diol,2,4,7,9 Tetramethyl-	0.1-0.06
Trade Secret	Component A5	0.05-0.10
Trade Secret	Component A6	0.05-0.10
55406-53-6	3-Iodo-2-Propynyl Butylcarbamate	0.05-0.10
77-58-7	Dibutyltin Dilaurate	0.02-0.07
Trade Secret	Component A7	0.01-0.06
111-76-2	2-Butoxyethanol	0.01-0.06
Trade Secret	Yellow Oxide	0-0.080
Trade Secret	Lamp Black	0-0.080
Trade Secret	Red Oxide	0-0.060

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:		

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n-Butyl Alcohol

OSHA PEL-TWA: 50 (Ceiling) 150 (Ceiling) [Prevent or Reduce Skin Absorption]
 OSHA PEL STEL :
 ACGIH TLV-TWA: 20
 ACGIH TLV STEL:
 ACGIH TLV CEILING:

NIOSH TWA 50 (Ceiling) 150 (Ceiling) [Potential for Dermal Absorption]
 NIOSH STEL

Silica. Amorphous

OSHA PEL – TWA 10
 OSHA PEL STEL

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

NIOSH TWA 6
 NIOSH STEL

Ethylene Glycol

OSHA PEL – TWA 50 (Ceiling) 125 (Ceiling)
 OSHA PEL STEL

ACGIH TLV-TWA: 100 (Ceiling)
 ACGIH TLV STEL:
 ACGIH TLV CEILING:

Styrene

OSHA PEL – TWA 50 215
 OSHA PEL STEL 100 425

ACGIH TLV-TWA: 20
 ACGIH TLV STEL: 40
 ACGIH TLV CEILING:

NIOSH TWA 10 30
 NIOSH STEL 15 45

Kaolin

OSHA PEL – TWA 5 (Respirable Dust)
 OSHA PEL STEL

ACGIH TLV-TWA: 2 (Respirable Dust)

ACGIH TLV STEL:
 ACGIH TLV CEILING:

NIOSH TWA 5 (Respirable Dust)
 NIOSH STEL

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

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.

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'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: Combustible Liquid. 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:

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

Silica, Amorphous

OSHA: Not Listed ACGIH: Not Listed NTP: Not Listed

IARC: Group 3 (Not Classifiable) NIOSH: Not Listed

Ethylene Glycol

OSHA: Not Listed ACGIH: A-4 Not Classifiable as a Human Carcinogen NTP: Not Listed

IARC: Not Listed NIOSH: Not Listed

Styrene

OSHA: Proven Human Carcinogen ACGIH: A-4 Not Classifiable as a Human Carcinogen NTP: Not Listed

IARC: Group 2B (Possibly Carcinogenic to Humans) NIOSH: Not Listed

Kaolin

OSHA: Not Listed ACGIH: A-4 Not Classifiable as a Human Carcinogen NTP: Not Listed

IARC: Not Listed NIOSH: Not Listed

2-Butoxyethanol

OSHA: Not Listed ACGIH: A-3 Confirmed Animal Carcinogen NTP: Not Listed

IARC: Group 3 (Not Classifiable) 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.

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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: Not Flammable at Test Temperature of 22°C
(% BY VOLUME) LOWER: Not Flammable at Test Temperature of 22°C

FLASH POINT:

F: 142°

C:

METHOD USED: Closed Cup

AUTOIGNITION TEMPERATURE: ND

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 2 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: Combustible liquid and vapor. When heated above the flash point, emit combustible vapors which, when mixed with air, can burn or be explosive. Runoff to sewer may create fire or explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Determined.

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 combustible 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

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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: Slight Sweet

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 7.6-7.8
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): 1.27 or 10.54 lb/gal

@

F:

C:

EVAPORATION RATE: Slower Than Ether

BASIS (=1): Not Applicable

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

SOLUBILITY IN WATER: Soluble

PERCENT SOLIDS BY WEIGHT: Not Applicable

PERCENT VOLATILE: Not Applicable

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): 220 grams/liter Part A & Part B combined

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MOLECULAR WEIGHT: Not Applicable

FILE NO.:

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VISCOSITY: Not Applicable

@ F:
C:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: Under Normal Conditions

CONDITIONS TO AVOID (STABILITY): Not Determined

INCOMPATIBILITY (MATERIAL TO AVOID): Not Determined

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Not Determined

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: May be 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: 16.7 oz or 0.49 L

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Combustible Liquid

HAZARD CLASS: IIIA

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

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

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FILE NO.:
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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-3: Combustible Liquid with a Flash Point Above 37.8° C (100° F) but Below 93.3° C (200° F)
Class D-2 Material Causing Other Toxic Effects (Toxic)

DSCL (EEC): R8 Combustible; 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.

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

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: IdeaPaint CRE-8 This; IdeaPaint Water-borne – Part B
 SYNONYMS:
 PRODUCT CODES:
 MANUFACTURER: IdeaPaint, Inc.
 DIVISION:
 ADDRESS: 290 Elliot 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	<50
4435-53-4	Butoxyl	30
53880-05-0	Cyclohexane, 5-Isocyanato-1-(Isocyanatomethyl)-1, 3, 3, Trimethyl-, Homopolymer	<20
9046-01-9	Tridecyl Alcohol, Ethoxylated, Phosphated	<7
98-94-2	N,N-Dimethylcyclohexamine	<2
4098-71-9	Isophoronediiisocyanate	<0.5
822-06-0	Hexamethylene Diisocyanate	<0.05

Component Exposure Limits

	<u>ppm</u>	<u>mg/m3</u>
Isophorone Diisocyanate		
OSHA PEL-TWA:	0.005 (Prevent or Reduce Skin Absorption)	
OSHA PEL STEL :	0.002	
OSHA PEL CEILING:		
ACGIH TLV-TWA:	0.005	
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA	0.005	0.045
NIOSH STEL	0.020	0.180 [Potential for Dermal Absorption]
Hexamethylene Diisocyanate		
OSHA PEL-TWA:		
OSHA PEL STEL :		
OSHA PEL CEILING:		
ACGIH TLV-TWA:	0.005	
ACGIH TLV STEL:		
ACGIH TLV CEILING:		
NIOSH TWA	0.005	0.035
NIOSH STEL	0.020	0.180 [Potential for Dermal Absorption]

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.

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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: Combustible Liquid. 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: 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. Slightly hazardous in case of skin contact (permeator).

CHRONIC HEALTH HAZARDS:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CARCINOGENICITY: No evidence of Carcinogenicity.

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

COMBUSTIBLE LIMITS IN AIR, UPPER: Not Flammable at Test Temperature of 22°C
(% BY VOLUME) **LOWER:** Not Flammable at Test Temperature of 22°C

FLASH POINT:

F: 168°

C:

METHOD USED: Closed Cup

AUTOIGNITION TEMPERATURE: ND

F:

C:

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NFPA HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0
OTHER:

HMS HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 2 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: Combustible liquid and vapor. When heated above the flash point, emit combustible vapors which, when mixed with air, can burn or be explosive. Runoff to sewer may create fire or explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Determined.

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 combustible 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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

APPEARANCE: Clear, Pale Yellow Liquid

ODOR: Slight Sweet

PHYSICAL STATE: Liquid

pH AS SUPPLIED: Not Applicable
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): 1.09 or 9.06 lb/gal

@ F:
C:

EVAPORATION RATE: Slower Than Ether

BASIS (=1): Not Applicable

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

SOLUBILITY IN WATER: Soluble

PERCENT SOLIDS BY WEIGHT: Not Applicable

PERCENT VOLATILE: Not Applicable

BY WT/ BY VOL @
F:
C:

VOLATILE ORGANIC COMPOUNDS (VOC): 220 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): Not Determined

INCOMPATIBILITY (MATERIAL TO AVOID): Not Determined

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.

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CONDITIONS TO AVOID (POLYMERIZATION):

FILE NO.:

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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: 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: 9.4 oz or 0.28 L

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Combustible Liquid

HAZARD CLASS: IIIA

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME: Combustible 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:

MATERIAL SAFETY DATA SHEET

IdeaPaint CRE-8; IdeaPaint Water-borne

313 REPORTABLE INGREDIENTS:

FILE NO.:

MSDS DATE: 4/22/10

STATE REGULATIONS:

Pennsylvania Right-to- Know

Massachusetts Right-to-Know

INTERNATIONAL REGULATIONS:

WHMIS (Canada): Class B-3: Combustible Liquid with a Flash Point Above 37.8° C (100° F) but Below 93.3° C (200° F)

Class D-2 Material Causing Other Toxic Effects (Toxic)

DSCL (EEC): R8 Combustible; 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.