MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-1 Clear
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic

kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Storage in cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – provide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder

Explosive Properties - N/A

Odor and Odor Threshold - N/A

Partition Coefficient - N/A

pH - N/A

Oxidizing Properties - N/A

Boiling Point - N/A

Solubility in Water - No

Vapor Pressure - N/A

Percent Volatile - N/A

Vapor Density - N/A

Applicable Evaporation Rate - N/A

Melting/Softening Point - None

Freezing Point - N/A

Specific Gravity - N/A

Flash Point - N/A

Flammable Limits - N/A Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations, No specific information available

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SECTION 14 - TRANSPORTATION INFORMATION

No specific information available

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-2 Mauve Red
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Talc	14807-96-6	.1	.05	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective

tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Talc (non asbestiform)
Fibrotic pneumoconiosis; irritation eyes.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder

Explosive Properties - N/A

Odor and Odor Threshold - N/A

Partition Coefficient - N/A

pH - N/A

Oxidizing Properties - N/A

Boiling Point - N/A	Melting/Softening Point – None
Solubility in Water - No	Freezing Point - N/A
Vapor Pressure - N/A	Specific Gravity - N/A
Percent Volatile - N/A	Flash Point - N/A
Vapor Density - N/A	Flammable Limits - N/A
Applicable Evaporation Rate - N/A	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-3 Purple
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Talc	14807-96-6	.1	.05	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective

tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Talc (non asbestiform)
Fibrotic pneumoconiosis; irritation eyes.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder

Explosive Properties - N/A

Odor and Odor Threshold - N/A

Partition Coefficient - N/A

pH - N/A

Oxidizing Properties - N/A

Boiling Point - N/A	Melting/Softening Point – None
Solubility in Water - No	Freezing Point - N/A
Vapor Pressure - N/A	Specific Gravity - N/A
Percent Volatile - N/A	Flash Point - N/A
Vapor Density - N/A	Flammable Limits - N/A
Applicable Evaporation Rate - N/A	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-4 Fool's Gold
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the

risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder	pH - N/A
Explosive Properties - N/A	Oxidizing Properties - N/A
Odor and Odor Threshold - N/A	Boiling Point - N/A
Partition Coefficient - N/A	Solubility in Water - No

Vapor Pressure - N/A	Freezing Point - N/A
Percent Volatile - N/A	Specific Gravity - N/A
Vapor Density - N/A	Flash Point - N/A
Applicable Evaporation Rate - N/A	Flammable Limits - N/A
Melting/Softening Point - None	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-5 Salmon
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\underline{10mg/m^3}$ %Silica+2	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments **(Contains Cadmium)**	Varies	NA	NA	NA	NA
Cadmium or Cadmium Pigments	7440-43-9	5 ug/m(3)	NA	2330	229.9 4 hour(s)

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz)

inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

Cadmium
The substance is toxic to kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder

Explosive Properties - N/A

Odor and Odor Threshold - N/A

Partition Coefficient - N/A

pH - N/A

Oxidizing Properties - N/A

Boiling Point - N/A

Solubility in Water - No

Vapor Pressure - N/A

Percent Volatile - N/A

Vapor Density - N/A

Applicable Evaporation Rate - N/A

Melting/Softening Point – None

Freezing Point - N/A

Specific Gravity - N/A

Flash Point - N/A

Flammable Limits - N/A

Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz and Cadmium are listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-6 Orange
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\underline{10mg/m^3}$ %Silica+2	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments **(Contains Cadmium)**	Varies	NA	NA	NA	NA
Cadmium or Cadmium Pigments	7440-43-9	5 ug/m(3)	NA	2330	229.9 4 hour(s)

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz)

inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

Cadmium
The substance is toxic to kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder

Explosive Properties - N/A

Odor and Odor Threshold - N/A

Partition Coefficient - N/A

pH - N/A

Oxidizing Properties - N/A

Boiling Point - N/A

Solubility in Water - No

Vapor Pressure - N/A

Percent Volatile - N/A

Vapor Density - N/A

Applicable Evaporation Rate - N/A

Melting/Softening Point – None

Freezing Point - N/A

Specific Gravity - N/A

Flash Point - N/A

Flammable Limits - N/A

Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz and Cadmium are listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-7 Aqua
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the

risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder	pH - N/A
Explosive Properties - N/A	Oxidizing Properties - N/A
Odor and Odor Threshold - N/A	Boiling Point - N/A
Partition Coefficient - N/A	Solubility in Water - No

Vapor Pressure - N/A	Freezing Point - N/A
Percent Volatile - N/A	Specific Gravity - N/A
Vapor Density - N/A	Flash Point - N/A
Applicable Evaporation Rate - N/A	Flammable Limits - N/A
Melting/Softening Point - None	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-8 Royal Blue
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the

risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder	pH - N/A
Explosive Properties - N/A	Oxidizing Properties - N/A
Odor and Odor Threshold - N/A	Boiling Point - N/A
Partition Coefficient - N/A	Solubility in Water - No

Vapor Pressure - N/A	Freezing Point - N/A
Percent Volatile - N/A	Specific Gravity - N/A
Vapor Density - N/A	Flash Point - N/A
Applicable Evaporation Rate - N/A	Flammable Limits - N/A
Melting/Softening Point - None	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-9 Teal
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the

risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder	pH - N/A
Explosive Properties - N/A	Oxidizing Properties - N/A
Odor and Odor Threshold - N/A	Boiling Point - N/A
Partition Coefficient - N/A	Solubility in Water - No

Vapor Pressure - N/A	Freezing Point - N/A
Percent Volatile - N/A	Specific Gravity - N/A
Vapor Density - N/A	Flash Point - N/A
Applicable Evaporation Rate - N/A	Flammable Limits - N/A
Melting/Softening Point - None	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-10 Robin's Egg Blue
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the

risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder	pH - N/A
Explosive Properties - N/A	Oxidizing Properties - N/A
Odor and Odor Threshold - N/A	Boiling Point - N/A
Partition Coefficient - N/A	Solubility in Water - No

Vapor Pressure - N/A	Freezing Point - N/A
Percent Volatile - N/A	Specific Gravity - N/A
Vapor Density - N/A	Flash Point - N/A
Applicable Evaporation Rate - N/A	Flammable Limits - N/A
Melting/Softening Point - None	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-11 Heavy Rust
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the

risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder	pH - N/A
Explosive Properties - N/A	Oxidizing Properties - N/A
Odor and Odor Threshold - N/A	Boiling Point - N/A
Partition Coefficient - N/A	Solubility in Water - No

Vapor Pressure - N/A	Freezing Point - N/A
Percent Volatile - N/A	Specific Gravity - N/A
Vapor Density - N/A	Flash Point - N/A
Applicable Evaporation Rate - N/A	Flammable Limits - N/A
Melting/Softening Point - None	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-12 Black
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\frac{10mg/m^3}{\%Silica+2}$	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments	Varies	NA	NA	NA	NA

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the

risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder	pH - N/A
Explosive Properties - N/A	Oxidizing Properties - N/A
Odor and Odor Threshold - N/A	Boiling Point - N/A
Partition Coefficient - N/A	Solubility in Water - No

Vapor Pressure - N/A	Freezing Point - N/A
Percent Volatile - N/A	Specific Gravity - N/A
Vapor Density - N/A	Flash Point - N/A
Applicable Evaporation Rate - N/A	Flammable Limits - N/A
Melting/Softening Point - None	Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz is listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-13 Citrus Burst
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
Clay/Kaolin	1332-58-7	15	2	NA	NA
Silica (Quartz)	14808-60-7	$\underline{10mg/m^3}$ %Silica+2	0.025	NA	NA
Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments **(Contains Cadmium)**	Varies	NA	NA	NA	NA
Cadmium or Cadmium Pigments	7440-43-9	5 ug/m(3)	NA	2330	229.9 4 hour(s)

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

Hazards - May cause skin and eye irritation, Lung effects including cancer, silicosis

Silica, Crystalline (Quartz)
A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz)

inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

Cadmium
The substance is toxic to kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

SECTION 4 - FIRST-AID MEASURES

Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder

Explosive Properties - N/A

Odor and Odor Threshold - N/A

Partition Coefficient - N/A

pH - N/A

Oxidizing Properties - N/A

Boiling Point - N/A

Solubility in Water - No

Vapor Pressure - N/A

Percent Volatile - N/A

Vapor Density - N/A

Applicable Evaporation Rate - N/A

Melting/Softening Point – None

Freezing Point - N/A

Specific Gravity - N/A

Flash Point - N/A

Flammable Limits - N/A

Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz and Cadmium are listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF SUBSTANCE & COMPANY PREPARING INFORMATION

Identity: BT-14 Dragon's Breath
Manufacturer's Name: Minnesota Clay
Address: 2960 Niagara Lane, Plymouth MN 55447
Tel Phone: (763) 432-0875
Emergency Tel: None
Date Prepared: July 29, 2011
Replaces MSDS dated: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS (mg/m^3) PEL	TLV	LD_{50} mg/kg	LC_{50} mg/m^3
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Calcium Carbonate	1317-65-3	5	10	NA	NA
Pigments **(Contains Cadmium)**	Varies	NA	NA	NA	NA
Cadmium or Cadmium Pigments	7440-43-9	5 ug/m(3)	NA	2330	229.9 4 hour(s)

SECTION 3 - HAZARD IDENTIFICATION

Primary Route of Entry - Inhalation (dry form only), ingestion and dermal.

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A single exposure will not result in serious adverse health effects.
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz)

inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

Calcium Carbonate
Overexposure may result in irritation to eyes, skin and respiratory system. Chronic exposure may result in hyperclacemica, alkalosis, and renal impairment. Animal studies suggest that inhalation may enhance susceptibility to respiratory infection.

Pigments (Stains)
Contains pigments which are produced from various metal salts, and/or other organic chemicals. Many of these pigments are in the form of spinel, which are formed by the reaction of these different metal salts at high temperature into essentially insoluble homogeneous pigment crystals. Spinels are considered of less hazardous than the individual metals they contain The pigments used may contain one or more of the following: silica (quartz), cobalt, vanadium, copper, iron, manganese, chromium and cadmium (encapsulated).

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Inhalation - Remove from exposure.

Dermal - Wash skin with soap and water.

Eye - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

Ingestion- Do not induce vomiting, contact a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None

Unusual Fire or Explosion Hazards - None

Extinguishing Media - None

Hazardous Combustion Products –Unknown

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spills - place in suitable container, and provide adequate ventilation. Wear personnel protective equipment (Goggles, glove, personal protective clothing).

SECTION 7 - HANDLING AND STORAGE

Engineer Control – use adequate ventilation

Procedure/Equipment - no specific requirement. See personal protective equipment.

Work Practices - use with adequate ventilation, avoid skin, eye and inhalation contact, wash hands

Storage - Store in tightly closed container. Store in a cool well-ventilated area.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures – rovide adequate ventilation

Personal Protective Equipment - wear chemical safety goggles, protective chemical resistant gloves, appropriate protective clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Powder

Explosive Properties - N/A

Odor and Odor Threshold - N/A

Partition Coefficient - N/A

pH - N/A

Oxidizing Properties - N/A

Boiling Point - N/A

Solubility in Water - No

Vapor Pressure - N/A

Percent Volatile - N/A

Vapor Density - N/A

Applicable Evaporation Rate - N/A

Melting/Softening Point – None

Freezing Point - N/A

Specific Gravity - N/A

Flash Point - N/A

Flammable Limits - N/A

Auto-Ignition Temperature - N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability - Unknown
Hazardous Polymerization - None
Hazardous Decomposition Products - None
Conditions to Avoid - None
Incompatibility – Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - There is no toxicity data on this mixture. Likely to be a skin and eye irritant. Inhalation of dust may cause lung effects.

Animal Experiment - There is no toxicity data on this mixture

Acute – Likely to be a skin and eye irritant

Chronic/Other - Inhalation may cause lung effects. Contends quartz, which can cause silicosis and is a potential carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

No specific information available.

SECTION 13 - DISPOSAL INFORMATION

Dispose according to local regulations. No specific information available.

SECTION 14 - TRANSPORTATION INFORMATION

No specific information available.

SECTION 15 - REGULATORY INFORMATION

Ingredients are listed on TSCA, DSL and EINECS inventories.

Quartz and Cadmium are listed on IARC, NTP, OSHA and/or Calif. Prop 65 cancer lists.

No specific other information available.

SECTION 16 - OTHER INFORMATION

Conforms to D 4236

No other specific information available.