MATERIAL SAFETY DATA SHEET
PRODUCT NAME: LIQUITEX Artist Oil Paints

BINNEY & SMITH INC.
1100 CHURCH LANE
EASTON, PA 18044

TELEPHONE NOS.
EMERGENCY: 1-610-253-6271
INFORMATION: 1-800-272-9652

1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): LIQUITEX Artist Oil Paints

PRODUCT COLORS/CODES: Series 1143, 1144, 11-1100-0-XXX
150 - Cadmium Orange
152 - Cadmium Red Light
153 - Cadmium Red Medium Light
154 - Cadmium Red Medium Deep
155 - Cadmium Red Deep

2. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS        CAS NO.    OSHA PEL/TWA       ACGIH TLV/TWA
Cadmium Sulfoselenide (ingredient)  58339-34-7 0.005 mg/m³ 0.05 mg/m³ (total dust)
cadmium dust (as Cd)  7440-43-9 0.20 mg/m³ 0.20 mg/m³
selenium compounds (as Se)  7782-49-2

3. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Not established > 300° F
FREEZING POINT: Not available
VAPOR PRESSURE @ 20°C.: Not available
VAPOR DENSITY (AIR=1): > 1
EVAPORATION RATE (BUTYL ACETATE=1): < 1
SPECIFIC GRAVITY (WATER=1): 2.25
SOLUBILITY IN WATER: Partially soluble
APPEARANCE AND ODOR: Colored viscous liquid

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: > 300°F
FLAMMABLE LIMITS IN AIR- UPPER: N/A
% BY VOLUME: LOWER: N/A
EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known
MATERIAL SAFETY DATA SHEET
PRODUCT NAME: LIQUITEX Artist Oil Paints

5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

ROUTES OF ENTRY:
INHALATION: Do not spray apply. Avoid breathing dusts and mists.
SKIN: Non-toxic
INGESTION: This product may be irritating to the gastrointestinal tract if ingested.

ACUTE OR CHRONIC HEALTH HAZARDS:
Acute: None known
Chronic: Contains Cadmium Pigment.
Consumer Warning: Do not Spray-apply.
Production Workers Only: Long-term exposure to metallurgical or soluble cadmium may lead to kidney dysfunction. Pigment itself is cancer suspect agent by inhalation based on experimental data. Color 152 contains soluble cadmium. Avoid handling pigment if pregnant or contemplating pregnancy. Exposure may cause harm to developing fetus.

EFFECTS OF OVEREXPOSURE: Long-term exposure to metallurgical or soluble cadmium may lead to kidney dysfunction.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye, and respiratory disorders, impaired functions from pre-existing disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID:
EYES: Immediately flush eyes with water for 15 minutes. Seek medical attention if any symptoms persist.
SKIN: Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation occurs.
INGESTION: Consult a physician, hospital or poison control center if product is ingested.
INHALATION: Remove victim to fresh air and treat symptomatically. Seek medical attention.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown) organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. Small spills - take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL METHOD: Refer to latest EPA, state and local regulations regarding proper disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: Avoid excessive heat
8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use good ventilation. For dust and mists, use NIOSH-certified mask.

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Avoid contact with eyes. Wear goggles if there is likelihood of contact with eyes.

OTHER PROTECTIVE EQUIPMENT:

DO NOT AIRBRUSH OR SAND DRIED PRODUCT.

VENTILATION: Use ventilation as required to control vapor concentrations.

OTHER PROTECTION: Eye wash fountains and safety showers should be available for use in an emergency.

9. SPECIAL INFORMATION

TSCA INVENTORY STATUS: All ingredients are listed

FHSA STATUS: All ingredients have been evaluated through a toxicological program and are properly labeled for acute and chronic health hazards in conformance to the labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

HMIS: Health - 3, Flammability - 0, Reactivity - 0

DATE PREPARED: 12/15/95
APPROVED BY: Millie P. Padron, Sr. Proc. Dev. Engineer
THE INFORMATION CONTAINED HEREIN IS PROVIDED FOR THE PURPOSE OF DISCLOSING PRODUCT HAZARDS AND DOES NOT CONSTITUTE PRODUCT SPECIFICATIONS. ALL WARRANTIES, EITHER EXPRESSED OR IMPLIED, ARE HEREBY DISCLAIMED.
1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): LIQUITEX® Artist Oil Paints

PRODUCT COLORS/CODES: Series 1143, 1144, 11-1100-0-XXX
  160 - Cadmium Yellow Light
  161 - Cadmium Yellow Medium
  162 - Cadmium Yellow Deep

2. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS                CAS NO.   OSHA PEL/TWA    ACGIH TLV/TWA
Cadmium Sulfide (ingredient)          1306-23-6  0.005 mg/m³   0.05 mg/m³ (total dust)
  cadmium dust (as Cd)                 7440-43.9

3. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Not established > 300°F

FREEZING POINT: Not available

VAPOR PRESSURE @ 20°C.: Not available

VAPOR DENSITY (AIR = 1): > 1

EVAPORATION RATE (BUTYL ACETATE = 1): < 1

SPECIFIC GRAVITY (WATER = 1): 2.06

SOLUBILITY IN WATER: Partially soluble

APPEARANCE AND ODOR: Colored viscous liquid

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: > 300°F

FLAMMABLE LIMITS IN AIR: UPPER: N/A
% BY VOLUME: LOWER: N/A

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known
5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

ROUTES OF ENTRY:
 INHALATION: Do not spray apply. Avoid breathing dusts and mists.
 SKIN: Non-toxic
 INGESTION: This product may be irritating to the gastrointestinal tract if ingested.
 EYE: Inert, nuisance particulate

ACUTE OR CHRONIC HEALTH HAZARDS:

Acute: None known

Chronic: Contains Cadmium Pigment.
Color 162 Only: Contains Cadmium Pigment: Soluble Cadmium
Consumer Warning: Do not spray-apply.
Production Workers Only: Long-term exposure to metallurgical or soluble cadmium may lead to kidney disfunction. Pigment itself is cancer suspect agent by inhalation based on experimental data.

EFFECTS OF OVEREXPOSURE: Long-term exposure to metallurgical or soluble cadmium may lead to kidney disfunction.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye and respiratory disorders, impaired functions from pre-existing disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID:
 EYES: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if any symptom persist.
 SKIN: Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.
 INGESTION: Consult a physician, hospital or poison control center if product is ingested.
 INHALATION: Remove victim to fresh air and treat symptomatically. Seek medical attention.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown) organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. Small spills - take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL METHOD: Refer to latest EPA, state and local regulations regarding proper disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: Avoid excessive heat.
8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use good ventilation - For dust and mists, use NIOSH-certified mask.

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Avoid contact with eyes. Wear goggles if there is likelihood of contact with eyes.

OTHER PROTECTIVE EQUIPMENT:

DO NOT SPRAY APPLY.
DO NOT SAND DRIED PRODUCT

VENTILATION: Use ventilation as required to control vapor concentrations.

OTHER PROTECTION: Eye wash fountains and safety showers should be available for use in an emergency

9. SPECIAL INFORMATION

TSCA INVENTORY STATUS: All ingredients are listed

FHSA STATUS: All ingredients have been evaluated through a toxicological program and are properly labeled for acute and chronic health hazards in conformance to the labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

HMIS: Health - 4, Flammability - 0, Reactivity - 0

DATE PREPARED: 12/15/95
APPROVED BY: Millie P. Padron, Sr. Proc. Dev. Engineer
THE INFORMATION CONTAINED HEREIN IS PROVIDED FOR THE PURPOSE OF DISCLOSING PRODUCT HAZARDS AND DOES NOT CONSTITUTE PRODUCT SPECIFICATIONS. ALL WARRANTIES, EITHER EXPRESSED OR IMPLIED, ARE HEREBY DISCLAIMED.
1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): LIQUITEX® Artist Oil Paints

PRODUCT COLORS/CODES: Series 1144. 11-1100-0-XXX
166 - Chromium Oxide Green
398 - Viridian

2. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS CAS NO. OSHA PEL/TWA ACGIH TLV/TWA
Chromium Oxide 1308-38-9 1 mg/m³ 0.5 mg/m³

3. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Not established > 300°F.
FREEZING POINT: Not available
VAPOR PRESSURE @ 20°C.: Not available

VAPOR DENSITY (AIR=1): > 1
EVAPORATION RATE (BUTYL ACETATE=1): < 1
SPECIFIC GRAVITY (WATER=1): 1.97
SOLUBILITY IN WATER: Partially soluble
APPEARANCE AND ODOR: Colored viscous liquid

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: > 300°F
FLAMMABLE LIMITS IN AIR- UPPER: N/A
% BY VOLUME: LOWER: N/A

EXTINGUISHING MEDIA: Use water fog. foam. dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established
MATERIAL SAFETY DATA SHEET
PRODUCT NAME: LIQUITEX, Artist Oil Paints

ROUTES OF ENTRY:
INHALATION: Inert, nuisance particulate dust if sanded
SKIN: Non-toxic
INGESTION: This product may be irritating to the gastrointestinal tract if ingested.
EYE: Inert, nuisance particulate dust.

ACUTE OR CHRONIC HEALTH HAZARDS:
Acute: None known
Chronic: Repeated and prolonged exposure to Trivalent chromium compounds may cause delayed effects involving the respiratory system.

Products have been certified as non-toxic by the Art & Craft Materials Institute and conform to ASTM D4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards.

EFFECTS OF OVEREXPOSURE: None known

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye and respiratory disorders, impaired functions from pre-existing disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID:
EYES: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if any symptoms persist.
SKIN: Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.
INGESTION: Consult a physician, hospital or poison control center if product is ingested.
INHALATION: Remove victim to fresh air and treat symptomatically. Seek medical attention.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown) organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. Small spills - take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL METHOD: Refer to latest EPA, state and local regulations regarding proper disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: avoid excessive heat
8. SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Use good ventilation - For dust and mists, use NIOSH-certified mask.

**PROTECTIVE GLOVES:** Not required

**EYE PROTECTION:** Avoid contact with eyes. Wear goggles if there is likelihood of contact with eyes.

**OTHER PROTECTIVE EQUIPMENT:**

For Air Brushing: Use NIOSH-certified respirator. Do not inhale spray from air brush. Use window exhaust fan to remove vapors and assure adequate cross ventilation.

For Sanding Dried Paint: Use NIOSH-certified respirator. Do not inhale from sanding operation.

**VENTILATION:** Use ventilation as required to control vapor concentrations.

**OTHER PROTECTION:** Eye wash fountains and safety showers should be available for use in an emergency.

9. SPECIAL INFORMATION

**TSCA INVENTORY STATUS:** All ingredients are listed

**EHSA STATUS:** All ingredients have been evaluated through a toxicological program and are properly labeled for acute and chronic health hazards in conformance to the labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

**HMIS:** Health - 1, Flammability - 0, Reactivity - 0

**DATE PREPARED:** 12/15/95

**APPROVED BY:** Millie P. Padron, Sr. Proc. Dev. Engineer

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MATERIAL SAFETY DATA SHEET
PRODUCT NAME: LIQUITEX® Artist Oil Paints

BINNEY & SMITH INC.
1100 CHURCH LANE
EASTON, PA 18044

TELEPHONE NOS.
EMERGENCY: 1-610-253-6271
INFORMATION: 1-800-272-9652

1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): LIQUITEX® Artist Oil Paints

PRODUCT COLORS/CODES: Series 1144, 11-1100-0-290

290 Naples Yellow

2. HAZARDOUS INGREDIENTS

Lead and compounds and antimony and compounds are listed in OSHA Standard 29 CFR 1910.1025.

HAZARDOUS COMPONENTS CAS NO. OSHA PEL/TWA ACGIH TLV/TWA
Lead antimonate 7439-92-1 50 mg/m3 as lead N/A
Antimony compounds 68186-85-6 0.5 mg/m3 as antimony 0.5 mg/m3 as antimony

3. PHYSICAL/ CHEMICAL CHARACTERISTICS

BOILING POINT: Not established > 300°F

FREEZING POINT: Not available

VAPOR PRESSURE @ 20°C.: Not available

VAPOR DENSITY (AIR=1): >1

EVAPORATION RATE (BUTYL ACETATE=1): < 1

SPECIFIC GRAVITY (WATER=1): 2.52

SOLUBILITY IN WATER: Partially soluble

APPEARANCE AND ODOR: Colored viscous liquid

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: > 300°F

FLAMMABLE LIMITS IN AIR- UPPER: N/A
% BY VOLUME: LOWER: N/A

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known
8. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

ROUTES OF ENTRY:
INHALATION: Inert. nuisance particulate dust if sanded
SKIN: Non-toxic
INGESTION: Harmful if swallowed. Induce vomiting and call a physician.
EYE: Inert. nuisance particulate dust.

ACUTE OR CHRONIC HEALTH HAZARDS:
Acute: None known
Chronic: Exposure may cause nervous system, kidney or bone marrow damage, or harm to developing fetus.

EFFECTS OF OVEREXPOSURE: Exposure may cause nervous system, kidney or bone marrow damage, or harm to developing fetus.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye and respiratory disorders, impaired functions from pre-existing disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID:
EYES: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if any symptoms persist.
SKIN: Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.
INGESTION: Consult a physician, hospital or poison control center if product is ingested.
INHALATION: Remove victim to fresh air and treat symptomatically. Seek medical attention.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown) organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. Small spills - take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL METHOD: Refer to latest EPA, state and local regulations regarding proper disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: Avoid excessive heat
8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use good ventilation. For dust and mists, use NIOSH-certified mask.

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Avoid contact with eyes. Wear goggles if there is likelihood of contact with eyes.

OTHER PROTECTIVE EQUIPMENT:

When using, do not eat, drink, or smoke.

VENTILATION: Use ventilation as required to control vapor concentrations.

OTHER PROTECTION: Eye wash fountains and safety showers should be available for use in an emergency.

9. SPECIAL INFORMATION

TSCA INVENTORY STATUS: All ingredients are listed

EHSA STATUS: All ingredients have been evaluated through a toxicological program and are properly labeled for acute and chronic health hazards in conformance to the labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

HMIS: Health - 4, Flammability - 0, Reactivity - 0

DATE PREPARED: 12/15/95
APPROVED BY: Millie P. Padron, Sr. Proc. Dev. Engineer

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1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): LIQUITEX® Artist Oil Paints

PRODUCT COLORS/CODES: Series 1143, 1144, 11-1100-0-170
170 - Cobalt Blue

2. HAZARDOUS INGREDIENTS

This paint contains the following pigment listed in OSHA Standard 29 CFR Section 1910.1000, Table z-1 for air contaminants:

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>CAS NO.</th>
<th>OSHA PEL/TWA</th>
<th>ACGIH TLV/TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt Aluminate</td>
<td>1345-16-0</td>
<td>0.1 mg/m³</td>
<td>0.02 mg/m³</td>
</tr>
<tr>
<td>cobalt, metal dust and fume (as Co)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>cobalt, elemental &amp; inorganic compds. (as Co)</td>
<td>7440-48-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. PHYSICAL/ CHEMICAL CHARACTERISTICS

OILING POINT: Not established > 300°F

FREEZING POINT: Not available

VAPOR PRESSURE @ 20°C.: Not available

VAPOR DENSITY (AIR = 1): > 1

EVAPORATION RATE (BUTYL ACETATE = 1): < 1

SPECIFIC GRAVITY (WATER = 1): 1.63

SOLUBILITY IN WATER: Partially soluble

APPEARANCE AND ODOR: Viscous colored liquid

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: > 3000°F

FLAMMABLE LIMITS IN AIR - UPPER: N/A
% BY VOLUME - LOWER: N/A

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known
5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established.

ROUTES OF ENTRY:
- INHALATION: Inert, nuisance particulate dust if sanded.
- SKIN: Non-toxic
- INGESTION: This product may be irritating to the gastrointestinal tract if ingested.
- EYES: Possible

ACUTE OR CHRONIC HEALTH HAZARDS:

Acute: None known
Chronic: Repeated exposure to this pigment dust may cause eye, skin, and respiratory tract irritation.

EFFECTS OF OVEREXPOSURE: Repeated overexposure to this pigment dust may cause eye, skin, and respiratory tract irritation. Products have been certified as non-toxic by the Art & Craft Materials Institute and conform to ASTM D4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye and respiratory disorders, impaired functions from pre-existing disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID:
- EYES: Immediately flush eyes with water for 15 minutes. Seek medical attention if any symptoms persist.
- SKIN: Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.
- INGESTION: Consult a physician, hospital or poison control center if product is ingested.
- INHALATION: Remove victim to fresh air and treat symptomatically.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown) organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. Small spills - take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL METHOD: Refer to latest EPA, State and Local regulations regarding proper disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: Avoid excessive heat
8. SPECIAL PROTECTION INFORMATION

SPIRATORY PROTECTION: Use good ventilation. For dust and mists, use NIOSH-certified mask.

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Avoid contact with eyes. Wear goggles if there is likelihood of contact with eyes.

OTHER PROTECTIVE EQUIPMENT:

For Air Brushing: Use NIOSH-certified respirator. Do not inhale spray from air brush. Use window exhaust fan to remove vapors and assure adequate cross ventilation.

For Sanding Dried Paint: Use NIOSH-certified respirator. Do not inhale from sanding operation.

VENTILATION: Use ventilation as required to control vapor concentrations.

OTHER PROTECTION: Eye wash fountains and safety showers should be available for use in an emergency.

9. SPECIAL INFORMATION

TSCA INVENTORY STATUS: All ingredients are listed

FHSA STATUS: All ingredients have been evaluated through a toxicological program and are properly labeled for acute and chronic health hazards in conformance to the labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

AMIS: Health - 2, Flammability - 0, Reactivity - 0

DATE PREPARED: 12/15/95
APPROVED BY: Millie P. Padron, Sr. Proc. Dev. Engineer

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1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): LIQUITEX® Artist Oil Paints

PRODUCT COLORS/CODES: Series 1144, 11-1100-0-164

164 Cerulean Blue

2. HAZARDOUS INGREDIENTS

Cerulean Blue paint contains the following mixture listed in OSHA Standard 29 CFR Section 1910.1000 for air contaminants.

HAZARDOUS COMPONENTS | CAS NO. | OSHA PEL/TWA | ACGIH TLV/TWA
--- | --- | --- | ---
Zinc chrome cobalt aluminate | 74665-01-3 | 0.1 mg/m3 | 0.05 mg/m3
Cobalt oxide | | 0.5 mg/m3 | 0.5 mg/m3
Chromium oxide | | 5 mg/m3 | 10 mg/m3
Zinc oxide | | 15 mg/m3 | 10 mg/m3
Aluminum oxide | |

3. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Not established > 300°F
FREEZING POINT: Not available
VAPOR PRESSURE @ 20°C.: Not available
VAPOR DENSITY (AIR = 1): > 1
EVAPORATION RATE (BUTYL ACETATE = 1): < 1
SPECIFIC GRAVITY (WATER = 1): 1.86
SOLUBILITY IN WATER: Partially soluble
APPEARANCE AND ODOR: Colored viscous liquid

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: > 300°F
FLAMMABLE LIMITS IN AIR: UPPPER: N/A
% BY VOLUME: LOWER: N/A
EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known
5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

ROUTES OF ENTRY:
INHALATION: Pigment dust can cause irritation of upper respiratory tract. Individuals hypersensitive to cobalt may develop asthma, bronchitis, shortness of breath, or wheezing.
SKIN: Pigment dust can cause irritation and may cause sensitization or allergic skin reaction.
INGESTION: This product may be irritating to the gastrointestinal tract if ingested.
EYE: Prolonged or repeated contact with pigment dust may cause irritation.

ACUTE OR CHRONIC HEALTH HAZARDS:
Acute: None known
Chronic: None known

Products have been certified as non-toxic by the Art & Craft Materials Institute and conform to ASTM D4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards.

EFFECTS OF OVEREXPOSURE: None known

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye and respiratory disorders, impaired functions from pre-existing disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID:
EYES: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if any symptoms persist.
SKIN: Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.
INGESTION: Consult a physician, hospital or poison control center if product is ingested.
INHALATION: Remove victim to fresh air and treat symptomatically. Seek medical attention.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown) organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. Small spills - take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL METHOD: Refer to latest EPA, state and local regulations regarding proper disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: Avoid excessive heat
8. SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Use good ventilation. For dust and mists, use NIOSH-certified mask.

**PROTECTIVE GLOVES:** Not required

**EYE PROTECTION:** Avoid contact with eyes. Wear goggles if there is likelihood of contact with eyes.

**OTHER PROTECTIVE EQUIPMENT:**

- *For Air Brushing:* Use NIOSH-certified respirator. Do not inhale spray from air brush. Use window exhaust fan to remove vapors and assure adequate cross ventilation.

- *For Sanding Dried Paint:* Use NIOSH-certified respirator. Do not inhale from sanding operation.

**VENTILATION:** Use ventilation as required to control vapor concentrations.

**OTHER PROTECTION:** Eye wash fountains and safety showers should be available for use in an emergency.

9. SPECIAL INFORMATION

**TSCA INVENTORY STATUS:** All ingredients are listed

**FHSA STATUS:** All ingredients have been evaluated through a toxicological program and are properly labeled for acute and chronic health hazards in conformance to the labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

**HMIS:** Health - 2, Flammability - 0, Reactivity - 0

DATE PREPARED: 12/15/95
APPROVED BY: Millie P. Padron, Sr. Proc. Dev. Engineer

THE INFORMATION CONTAINED HEREIN IS PROVIDED FOR THE PURPOSE OF DISCLOSING PRODUCT HAZARDS AND DOES NOT CONSTITUTE PRODUCT SPECIFICATIONS. ALL WARRANTIES, EITHER EXPRESSED OR IMPLIED, ARE HEREBY DISCLAIMED.
MATERIAL SAFETY DATA SHEET
PRODUCT NAME: LIQUITEX Artist Oil Paints

BINNEY & SMITH INC.
1100 CHURCH LANE
EASTON, PA 18044

TELEPHONE NOS.
EMERGENCY: 1-610-253-6271
INFORMATION: 1-800-272-9652

1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): LIQUITEX® Artist Oil Paints

PRODUCT COLORS/CODES: Series 1143, 1144, 1147

112 - ACRA Red
112 - ACRA Violet
116 - Alizarine Crimson
127 - Burnt Sienna
151 - Lacquer Red/Cad. Red Medium Hue
184 - Dirty Green
186 - Dioxazine Purple
200 - Medium Portrait Pink
221 - Hansa Yellow Light
222 - Hansa Yellow Medium

244 - Ivory Black
252 - Lemon Yellow Hansa
276 - Mars Black
291 - Naples Yellow Hue
309 - Permanent Indian Yellow Medium Hue
310 - Payne's Gray
311 - Deep Brilliant Red
315 - Permanent Sap Green
316 - Phthalocyanine Blue
317 - Phthalocyanine Green
318 - Prussian Blue

330 - Raw Sienna
344 - Rose Madder
380 - Ultramarine Blue
392 - Venetian Red
410 - Chinese Red
413 - Yellow Ochre
421 - Zinc Yellow Hue
430 - Zinc Everwhite
430 - Scarlet Red/Cad. Red Light Hue

304 - Gold
306 - Silver

2. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS CAS NO. OSHA PEL. TLV

None N/A N/A N/A

3. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Not established > 300°F
FREEZING POINT: Not available
VAPOR PRESSURE @ 20°C.: Not available
VAPOR DENSITY (AIR=1): > 1
EVAPORATION RATE (BUTYL ACETATE=1): < 1
SPECIFIC GRAVITY (WATER=1): 1.58
SOLUBILITY IN WATER: Partially soluble
APPEARANCE AND ODOR: Colored viscous liquid

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: > 300°F

FLAMMABLE LIMITS IN AIR - UPPER: N/A
% BY VOLUME - LOWER: N/A

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES: None known

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

ROUTE OF ENTRY:
INHALATION: Inert, nuisance particulate dust.
SKIN: Non-toxic
INGESTION: This product may be irritating to the gastrointestinal tract if ingested.
EYES: Possible

ACUTE OR CHRONIC HEALTH HAZARDS:
Acute: None known
Chronic: None known

Products have been certified as non-toxic by the Art & Craft Materials Institute and conform to ASTM D4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards.

EFFECTS OF OVEREXPOSURE: None known

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye and respiratory disorders, impaired functions from pre-existing disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID:
EYES: Immediately flush eyes with water for 15 minutes. Seek medical attention if any symptoms persist.
SKIN: Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation occurs.
INGESTION: Consult a physician, hospital or poison control center if product is ingested.
INHALATION: Remove victim to fresh air and treat symptomatically.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown)-organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. Small spills - take up with an absorbent material and place in non-leaking containers: seal tightly for proper disposal.

WASTE DISPOSAL METHOD: Refer to latest EPA, state and local regulations regarding proper disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING: Avoid excessive heat
8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use good ventilation - For dust and mists, use NIOSH-certified mask.

PROTECTIVE GLOVES: None required

EYE PROTECTION: Avoid contact with eyes. Wear goggles if there is likelihood of contact with eyes.

OTHER PROTECTIVE EQUIPMENT:

For Air Brushing: Use NIOSH-certified respirator. Do not inhale spray from air brush. Use window exhaust fan to remove vapors and assure adequate cross ventilation.

For Sanding Dried Paint: Use NIOSH-certified respirator. Do not inhale from sanding operation.

VENTILATION: Use ventilation as required to control vapor concentrations.

OTHER PROTECTION: Eye wash fountains and safety showers should be available for use in an emergency.

9. SPECIAL INFORMATION

TSCA INVENTORY STATUS: All ingredients are listed

FHSA STATUS: All ingredients have been evaluated through a toxicological program and are properly labeled for acute and chronic health hazards in conformance to the labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

HMIS: Health - 1, Flammability - 0, Reactivity - 0

DATE PREPARED: 12/15/95
APPROVED BY: Millie P. Padron, Sr. Proc. Dev. Engineer

THE INFORMATION CONTAINED HEREIN IS PROVIDED FOR THE PURPOSE OF DISCLOSING PRODUCT HAZARDS AND DOES NOT CONSTITUTE PRODUCT SPECIFICATIONS. ALL WARRANTIES, EITHER EXPRESSED OR IMPLIED, ARE HEREBY DISCLAIMED.
1. PRODUCT IDENTIFICATION

**PRODUCT NAME(S):** LIQUITEX® Artist Oil Paints

**PRODUCT COLORS/CODES:** Series 1143, 1144, 1147, 11-1100-0-XXX

<table>
<thead>
<tr>
<th>Color Name</th>
<th>CAS No.</th>
<th>OSHA PEL/TWA</th>
<th>ACGIH TLV/TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>121 Brilliant Yellow Light</td>
<td>13464-67-7</td>
<td>15 mg/m&lt;sup&gt;3&lt;/sup&gt; (total dust) 10 mg/m&lt;sup&gt;3&lt;/sup&gt; (total dust)</td>
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<tr>
<td>165 Cerulean Blue Hue Phthalo</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>300 Deep Magenta</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>381 Brilliant Blue Purple</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>399 Neutral Gray - Value 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>431 Titanium Zinc Everwhite</td>
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<tr>
<td>432 Titanium White</td>
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<tr>
<td>434 Unbleached Titanium</td>
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<tr>
<td>700 Light Magenta</td>
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<tr>
<td>499 Neutral Gray - Value 4</td>
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<td></td>
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</tr>
<tr>
<td>500 Medium Magenta</td>
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<tr>
<td>550 Brilliant Green</td>
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</tr>
<tr>
<td>560 Turquoise Green</td>
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<td>570 Brilliant Blue</td>
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<tr>
<td>590 Brilliant Purple</td>
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</tr>
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<td>599 Neutral Gray - Value 5</td>
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<td>660 Bright Aqua Green</td>
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<td>680 Light Blue Violet</td>
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<tr>
<td>450 Emerald Green</td>
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<tr>
<td>740 Vivid Lime Green</td>
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</tr>
</tbody>
</table>

2. HAZARDOUS INGREDIENTS

Titanium Dioxide

Amorphous Silica

3. PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING POINT:** Not established > 300º F

**FREEZING POINT:** Not available

**VAPOR PRESSURE @ 20ºC.:** Not available

**VAPOR DENSITY (AIR = 1):** > 1

**EVAPORATION RATE (BUTYL ACETATE = 1):** < 1

**SPECIFIC GRAVITY (WATER = 1):** 2.10

**SOLUBILITY IN WATER:** Partially soluble

**APPEARANCE AND ODOR:** Colored viscous liquid

4. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT AND METHOD:** > 300ºF

**FLAMMABLE LIMITS IN AIR - % BY VOLUME:** UPPER: N/A LOWER: N/A

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

ROUTES OF ENTRY:
INHALATION: Inert, nuisance particulate dust. Prolonged inhalation of amorphous silica may cause silicosis with scarring of the lungs, cough, and shortness of breath.
SKIN: Non-toxic
INGESTION: This product may be irritating to the gastrointestinal tract if ingested.
EYE: Inert, nuisance particulate dust if sanded.

ACUTE OR CHRONIC HEALTH HAZARDS:
Acute: None known
Chronic: None known

Products have been certified as non-toxic by the Art & Craft Materials Institute and conform to ASTM D4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards.

EFFECTS OF OVEREXPOSURE: None known

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, eye and respiratory disorders, impaired functions from pre-existing disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID:
EYES: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if any symptoms persist.
SKIN: Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation persists.
INGESTION: Consult a physician, hospital or poison control center if product is ingested.
INHALATION: Remove victim to fresh air and treat symptomatically. Seek medical attention.

6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown) organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will not occur

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. Small spills - take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL METHOD: Refer to latest EPA, state and local regulations regarding proper disposal.
8. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use good ventilation. For dust and mists, use NIOSH-certified mask.

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Avoid contact with eyes. Wear goggles if there is likelihood of contact with eyes.

OTHER PROTECTIVE EQUIPMENT:

For Air Brushing: Use NIOSH-certified respirator. Do not inhale spray from air brush. Use window exhaust fan to remove vapors and assure adequate cross ventilation.

For Sanding Dried Paint: Use NIOSH-certified respirator. Do not inhale from sanding operation.

VENTILATION: Use ventilation as required to control vapor concentrations.

OTHER PROTECTION: Eye wash fountains and safety showers should be available for use in an emergency

9. SPECIAL INFORMATION

TSCA INVENTORY STATUS: All ingredients are listed

FHSA STATUS: All ingredients have been evaluated through a toxicological program and are properly labeled for acute and chronic health hazards in conformance to the labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

HMIS: Health - 1, Flammability - 0, Reactivity - 0

DATE PREPARED: 12/15/95
APPROVED BY: Millie P. Padron, Sr. Proc. Dev. Engineer

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PRODUCT NAME: LIQUITEX, Artist Oil Paints

TELEPHONE NOS.
EMERGENCY: 1-610-253-6271
INFORMATION: 1-800-272-9652

1. PRODUCT IDENTIFICATION

PRODUCT NAME(S): LIQUITEX® Artist Oil Paints

PRODUCT COLORS/CODES: Series 1143, 1144, 1147, 11-1100-0-XXX

118 Barn Red
128 Burnt Umber
216 Greenish Umber
308 Permanent Asphalthum
390 Van Dyke Brown

125 Brownish Madder
214 Green Earth Hue
293 Olive Green
331 Raw Umber

2. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS CAS NO. OSHA PEL/TWA ACGIH TLV/TWA
Raw and Burnt Umber Pigments 12713-03-0
Crystalline Silica 14808-60-7 10 mg/m3 N/A
Manganese 7439-96-5 5 mg/m3 5 mg/m3

3. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Not established > 300°F
FREEZING POINT: Not available
VAPOR PRESSURE @ 20°C.: Not available
VAPOR DENSITY (AIR=1): > 1
EVAPORATION RATE (BUTYL ACETATE=1): < 1
SPECIFIC GRAVITY (WATER=1): 1.53
SOLUBILITY IN WATER: Partially soluble
APPEARANCE AND ODOR: Colored viscous liquid

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD: > 300°F
FLAMMABLE LIMITS IN AIR-
% BY VOLUME:
UPPER: N/A
LOWER: N/A

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known
5. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established

ROUTES OF ENTRY:
INHALATION: Inert, nuisance particulate dust.
SKIN: Non-toxic
INGESTION: This product may be irritating to the gastrointestinal tract if ingested.
EYE: Inert, nuisance particulate dust if sanded

ACUTE OR CHRONIC HEALTH HAZARDS:
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Chronic: none known

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6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and unidentified (unknown) organic compounds may be formed during combustion.

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RESPIRATORY PROTECTION: Use good ventilation. For dust and mists, use NIOSH-certified mask.

PROTECTIVE GLOVES: Not required

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HMIS: Health - 1, Flammability - 0, Reactivity - 0

DATE PREPARED: 12/15/95
APPROVED BY: Millie P. Padron, Sr. Proc. Dev. Engineer

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