

Permatex, Inc.
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 Emergency: 800-255-3924
 International Emergency: 813-348-0585

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 25247 FABRIC REPAIR KIT BLUE COLOR
Item No: PTXAIRFLEXA-1
Product Type: Color mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLY(VINYL CHLORIDE) 9002-86-2	<100	Not Listed	Not Listed
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<100	5 mg/m ³ TWA	5 mg/m ³ TWA
C.I. PIGMENT BLUE 29 57455-37-5	<100	Not Listed	Not Listed

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye and skin irritation.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.
Signs and Symptoms of Exposure: Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness. Overexposure may cause nasal irritation.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<100	Group 2; Reasonably anticipated	Group A3; Confirmed animal	Group 2B; Vol. 29, Pg 269; 1982: Vol. 77, Pg 41; 2000

Medical Conditions Recognized as Being Aggravated by Exposure: Testis damage

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. Obtain medical attention.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Greater than 200 degrees F.
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of carbon. Irritating vapors.
Unusual Fire/Explosion Hazards: None
Lower Explosive Limit: Not determined.
Upper Explosive Limit: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store below 100 degrees F.
Handling: Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue liquid
Odor: MILD
Boiling Point (°F): Greater than 300 degrees F.
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: Not Determined
VOC Content(Wt.%): Not determined
Vapor Pressure: <0.01 mm Hg
Vapor Density (Air=1): 13.5
Evaporation Rate: Slower than ether

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Strong oxidizers.
Conditions to Avoid: None anticipated
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of carbon. Irritating vapors.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: U028; Check for vinyl chloride: D043

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: not regulated
Class or Division: None
UN/NA Number: None

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

BIS (2-ETHYLHEXYL) PHTHALATE

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: 03/11/2004

Revision 1

Number:

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 25247 FABRIC REPAIR KIT BLACK COLOR
Item No: PTXAIRFLEXA-2
Product Type: Color mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
Water 7732-18-5	45-65	Not Listed	Not Listed
POLY(VINYL CHLORIDE) 9002-86-2	<50	Not Listed	Not Listed
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	5 mg/m ³ TWA	5 mg/m ³ TWA
CARBON BLACK 1333-86-4	<50	3.5 mg/m ³	3.5 mg/m ³ TWA
RESIN 54579-44-1	<50	Not Listed	Not Listed
ETHOXYLATED NONYLPHENOL 9016-45-9	1-10	Not Listed	Not Listed
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	1-10	5 mg/m ³ mist	5 mg/m ³ mist

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye and skin irritation.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.
Signs and Symptoms of Exposure: Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness. Overexposure may cause nasal irritation.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	Group 2; Reasonably anticipated	Group A3; Confirmed animal	Group 2B; Vol. 29, Pg 269; 1982: Vol. 77, Pg 41; 2000
CARBON BLACK 1333-86-4	<50		Group A4	Group 2B; Vol. 65, pg 149, 1996

Medical Conditions Recognized as Being Aggravated by Exposure: Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected. Testis damage

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. Obtain medical attention.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Greater than 200 degrees F.
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.

Hazardous Products Formed by Fire or Thermal Decomposition:
Unusual Fire/Explosion Hazards:

Hydrogen chloride. Oxides of carbon. Irritating vapors. Oxides of nitrogen,
May become unstable above 175 degrees F. generating sufficient heat to cause ignition.

Lower Explosive Limit:
Upper Explosive Limit:

Not determined.
Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store below 100 degrees F.
Handling: Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black liquid
Odor: SLIGHT AMMONIA
Boiling Point (°F): Greater than 300 degrees F.
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: Not Determined
VOC Content(Wt.%): Not determined
Vapor Pressure: <0.01 mm Hg
Vapor Density (Air=1): 13.5
Evaporation Rate: Slower than ether

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Strong oxidizers.
Conditions to Avoid: None anticipated
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of carbon. Irritating vapors. Oxides of nitrogen,

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: U028; Check for vinyl chloride: D043

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None

Marine Pollutant: None

IATA

Proper Shipping Name: not regulated
Class or Division: None
UN/NA Number: None

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

BIS (2-ETHYLHEXYL) PHTHALATE

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: 03/11/2004
Revision Number: 1

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 25247 FABRIC REPAIR KIT BROWN COLOR
Item No: PTXAIRFLEXA-3
Product Type: Color mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLY(VINYL CHLORIDE) 9002-86-2	<50	Not Listed	Not Listed
C.I.PIGMENT BLACK 11 12227-89-3	<50	Not Listed	Not Listed
C.I. PIGMENT YELLOW 42 51274-00-1	<50	Not Listed	Not Listed
RED PIGMENT MIXTURE	<50	Not Listed	Not Listed
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	5 mg/m ³ TWA	5 mg/m ³ TWA
AMORPHOUS SILICA 7631-86-9	0-5-3.0	10 mg/m ³ TWA	6 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye and skin irritation.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.
Signs and Symptoms of Exposure: Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness. Overexposure may cause nasal irritation.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	Group 2; Reasonably anticipated	Group A3; Confirmed animal	Group 2B; Vol. 29, Pg 269; 1982: Vol. 77, Pg 41; 2000

Medical Conditions Recognized as Being Aggravated by Exposure: Testis damage

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed. Obtain medical attention.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Greater than 200 degrees F.
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of carbon. Irritating vapors.
Unusual Fire/Explosion Hazards: None
Lower Explosive Limit: Not determined.
Upper Explosive Limit: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store below 100 degrees F.
Handling: Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown liquid
Odor: MILD
Boiling Point (°F): Greater than 300 degrees F.
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: Not Determined
VOC Content(Wt.%): Not determined
Vapor Pressure: <0.01 mm Hg
Vapor Density (Air=1): 13.5
Evaporation Rate: Slower than ether

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Strong oxidizers.
Conditions to Avoid: None anticipated
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of carbon. Irritating vapors.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number: U028; Check for vinyl chloride: D043

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: not regulated
Class or Division: None
UN/NA Number: None

IMDG

Proper Shipping:	Unrestricted
Hazard Class:	None
UN Number:	None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

BIS (2-ETHYLHEXYL) PHTHALATE

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: 03/11/2004
Revision 1
Number:

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 25247 FABRIC REPAIR KIT GREEN COLOR
Item No: PTXAIRFLEXA-4
Product Type: Color mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
DIISODECYL PHTHALATE 68515-49-1	<75	Not Listed	Not Listed
POLY(VINYL CHLORIDE) 9002-86-2	<50	Not Listed	Not Listed
BIS (8-METHYLNONYL) PHTHALATE 26761-40-0	<50	Not Listed	Not Listed
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	5 mg/m ³ TWA	5 mg/m ³ TWA
C.I PIGMENT GREEN 7 1328-53-6	<20	Not Listed	Not Listed
SOYBEAN OIL 8013-07-8	1-10	Not Listed	Not Listed

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye and skin irritation.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.
Signs and Symptoms of Exposure: Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness. Overexposure may cause nasal irritation.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	Group 2; Reasonably anticipated	Group A3; Confirmed animal	Group 2B; Vol. 29, Pg 269; 1982: Vol. 77, Pg 41; 2000

Medical Conditions Recognized as Being Aggravated by Exposure: Testis damage

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. Obtain medical attention.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Greater than 200 degrees F.
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Irritating vapors. Oxides of nitrogen, Oxides of carbon.
Unusual Fire/Explosion Hazards: None
Lower Explosive Limit: Not determined.

Upper Explosive Limit: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store below 100 degrees F.

Handling: Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.

Skin: Neoprene or nitrile gloves recommended.

Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.

Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green liquid

Odor: MILD

Boiling Point (°F): Greater than 300 degrees F.

pH: Does not apply

Solubility in Water: Slight

Specific Gravity: Not Determined

VOC Content(Wt.%): Not determined

Vapor Pressure: <0.01 mm Hg

Vapor Density (Air=1): 13.5

Evaporation Rate: Slower than ether

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Incompatibilities: Strong oxidizers, acids, alkalines

Conditions to Avoid: None anticipated

Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Irritating vapors. Oxides of nitrogen, Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number: U028; Check for vinyl chloride: D043

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted

Hazard Class: NONE

UN/ID Number: None

Marine Pollutant: None

IATA

Proper Shipping Name: not regulated

Class or Division: None

UN/NA Number: None

Product name: 25247 FABRIC REPAIR KIT GREEN
COLOR

Item PTXAIRFLEXA-4

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

BIS (2-ETHYLHEXYL) PHTHALATE, C.I. PIGMENT GREEN 7

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 25247 FABRIC REPAIR KIT
Item No: PTXAIRFLEXA-400
Product Type: Emulsion

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLYVINYL ACETATE 9003-20-7	50-70	Not Listed	Not Listed
Water 7732-18-5	30-50	Not Listed	Not Listed
VINYL ACETATE 108-05-4	0.01-0.50	10 ppm TWA; 35 mg/m ³ TWA	10 ppm TWA; 30 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

Toxicity: Causes respiratory irritation. When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.

Signs and Symptoms of Exposure: Overexposure may cause nasal irritation.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
POLYVINYL ACETATE 9003-20-7	50-70			Group 3: Vol.19, Supp 7; 1987
VINYL ACETATE 108-05-4	0.01-0.50		A3-animal carcinogen	Monograph 63; 1995

Medical Conditions Recognized as Being Aggravated by Exposure: None known

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): None

Recommended Extinguishing Media: None - does not burn.

Special Fire-Fighting Procedures: No special procedures.

Hazardous Products Formed by Fire or Thermal Decomposition: Formaldehyde, Oxides of carbon.

Unusual Fire/Explosion Hazards: None

Lower Explosive Limit: Not determined.

Upper Explosive Limit: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage: Keep away from oxidizers.
Handling: Do not inhale vapors. Use in a well ventilated area to prevent irritation by vapors. Wash hands before eating and smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Rubber or plastic gloves
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid
Odor: SWEET
Boiling Point (°F): Greater than 212 degrees F.
pH: 4.5
Solubility in Water: SOLUBLE
Specific Gravity: 1.07
VOC Content(Wt.%): Not determined
Vapor Pressure: 18.5 mm Hg
Vapor Density (Air=1): Not Determined
Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Mineral acids, alkalies
Conditions to Avoid: None anticipated
Hazardous Products Formed by Fire or Thermal Decomposition: Formaldehyde, Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: not regulated
Class or Division: None
UN/NA Number: None

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

VINYL ACETATE

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: **YES** All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 0, REACTIVITY 0

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 0, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Denise Boyd, Health and Safety Manager
Company: Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA
06106

Revision Date: 03/11/2004

Revision 1

Number:

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 25247 FABRIC REPAIR KIT RED COLOR
Item No: PTXAIRFLEXA-5
Product Type: Color mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLY(VINYL CHLORIDE) 9002-86-2	<50	Not Listed	Not Listed
RED BARIUM SALT PIGMENT 1325-16-2	<50	Not Listed	Not Listed
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	5 mg/m ³ TWA	5 mg/m ³ TWA
SOYBEAN OIL 8013-07-8	10-20	Not Listed	Not Listed
Water 7732-18-5	<20	Not Listed	Not Listed
ETHOXYLATED NONYLPHENOL 9016-45-9	<20	Not Listed	Not Listed
C.I. PIGMENT RED 3 2425-85-6	<10	Not Listed	Not Listed
LECITHIN 8002-43-5	1-10	Not Listed	Not Listed

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye and skin irritation. At elevated temperatures may cause irritation of the respiratory tract. May cause skin irritation in sensitive individuals.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.
Signs and Symptoms of Exposure: Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness. Overexposure may cause nasal irritation.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	Group 2; Reasonably anticipated	Group A3; Confirmed animal	Group 2B; Vol. 29, Pg 269; 1982: Vol. 77, Pg 41; 2000
C.I. PIGMENT RED 3 2425-85-6	<10			Group 3: Vol. 57, pg. 259, 1993

Medical Conditions Recognized as Being Aggravated by Exposure: Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected. Testis damage

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. Obtain medical attention.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Greater than 200 degrees F.
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.

Hazardous Products Formed by Fire or Thermal Decomposition:
Unusual Fire/Explosion Hazards:

Hydrogen chloride. Oxides of nitrogen, Oxides of carbon. Sulfide Metal oxide fumes, Irritating vapors.
None

Lower Explosive Limit:
Upper Explosive Limit:

Not determined.
Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store below 100 degrees F.
Handling: Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red liquid
Odor: SLIGHT AMMONIA
Boiling Point (°F): Greater than 300 degrees F.
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: Not Determined
VOC Content(Wt.%): Not determined
Vapor Pressure: <0.01 mm Hg
Vapor Density (Air=1): 13.5
Evaporation Rate: Slower than ether

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Nitrates, Strong oxidizers, acids, alkalines
Conditions to Avoid: None anticipated
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of nitrogen, Oxides of carbon. Sulfide Metal oxide fumes, Irritating vapors.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: U028; Check for vinyl chloride: D043 D005

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None

Product name: 25247 FABRIC REPAIR KIT RED
COLOR

Item PTXAIRFLEXA-5

Marine Pollutant: None

IATA

Proper Shipping Name: not regulated
Class or Division: None
UN/NA Number: None

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

BIS (2-ETHYLHEXYL) PHTHALATE, RED BARIUM SALT PIGMENT

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: 03/11/2004

Revision Number: 1

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 25247 FABRIC REPAIR KIT WHITE COLOR
Item No: PTXAIRFLEXA-6
Product Type: Color mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
TITANIUM DIOXIDE 13463-67-7	>75	10 mg/m ³	10 mg/m ³ ; 15 mg/m ³ total dust
POLY(VINYL CHLORIDE) 9002-86-2	<50	Not Listed	Not Listed
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	5 mg/m ³ TWA	5 mg/m ³ TWA
SILICIC ACID 1343-98-2	1-10	10 mg/m ³ TWA	6 mg/m ³ TWA
ALUMINUM HYDROXIDE 21645-51-2	1-10	10 mg/m ³ dust	15 mg/m ³ dust; 5 mg/m ³ respir.

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye and skin irritation.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.
Signs and Symptoms of Exposure: Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness. Overexposure may cause nasal irritation.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
TITANIUM DIOXIDE 13463-67-7	>75			Group 3; Vol 47, pg 307, 1989
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	Group 2; Reasonably anticipated	Group A3; Confirmed animal	Group 2B; Vol. 29, Pg 269; 1982: Vol. 77, Pg 41; 2000

Medical Conditions Recognized as Being Aggravated by Exposure: Testis damage

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed. Obtain medical attention.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Greater than 200 degrees F.
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of nitrogen, Oxides of carbon. Irritating vapors.
Unusual Fire/Explosion Hazards: None
Lower Explosive Limit: Not determined.
Upper Explosive Limit: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store below 100 degrees F.
Handling: Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid
Odor: MILD
Boiling Point (°F): Greater than 300 degrees F.
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: Not Determined
VOC Content(Wt.%): Not determined
Vapor Pressure: <0.01 mm Hg
Vapor Density (Air=1): 13.5
Evaporation Rate: Slower than ether

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Strong oxidizers.
Conditions to Avoid: None anticipated
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of nitrogen, Oxides of carbon. Irritating vapors.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: U028; Check for vinyl chloride: D043 D005

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: not regulated
Class or Division: None
UN/NA Number: None

Product name: 25247 FABRIC REPAIR KIT WHITE
COLOR

Item PTXAIRFLEXA-6

IMDG

Proper Shipping:	Unrestricted
Hazard Class:	None
UN Number:	None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

BIS (2-ETHYLHEXYL) PHTHALATE

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: 03/11/2004
Revision 1
Number:

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 25247 FABRIC REPAIR KIT YELLOW COLOR
Item No: PTXAIRFLEXA-7
Product Type: Color mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLY(VINYL CHLORIDE) 9002-86-2	<50	Not Listed	Not Listed
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	5 mg/m ³ TWA	5 mg/m ³ TWA
C.I.PIGMENT YELLOW 34 1344-37-2	<20	Not Listed	Not Listed

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye and skin irritation. May cause lead toxicity. Repeated and prolonged exposure may cause delayed effects involving blood, gastrointestinal, renal, nervous and reproductive systems.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.

Signs and Symptoms of Exposure: Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness. Overexposure may cause nasal irritation.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
DI (2-ETHYLHEXYL) PHTHALATE 117-81-7	<50	Group 2; Reasonably anticipated	Group A3; Confirmed animal	Group 2B; Vol. 29, Pg 269; 1982: Vol. 77, Pg 41; 2000

Medical Conditions Recognized as Being Aggravated by Exposure: Anemia. Testis damage

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): Greater than 200 degrees F.

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.

Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of nitrogen, Oxides of carbon. Irritating vapors. Lead fumes Chromium oxide

Unusual Fire/Explosion Hazards: None

Lower Explosive Limit: Not determined.

Upper Explosive Limit: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store below 100 degrees F.
Handling: Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow liquid
Odor: MILD
Boiling Point (°F): Greater than 300 degrees F.
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: Not Determined
VOC Content(Wt.%): Not determined
Vapor Pressure: <0.01 mm Hg
Vapor Density (Air=1): 13.5
Evaporation Rate: Slower than ether

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Strong oxidizers.
Conditions to Avoid: None anticipated
Hazardous Products Formed by Fire or Thermal Decomposition: Hydrogen chloride. Oxides of nitrogen, Oxides of carbon. Irritating vapors. Lead fumes Chromium oxide

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: U028; Check for lead-D008, chromium-D007, barium-D005 and vinyl chloride-D043

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: not regulated
Class or Division: None
UN/NA Number: None

IMDG

Product name: 25247 FABRIC REPAIR KIT YELLOW
COLOR

Item PTXAIRFLEXA-7

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

BIS (2-ETHYLHEXYL) PHTHALATE, C.I. PIGMENT YELLOW 34

CALIFORNIA PROP 65:

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: **YES** All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: HEALTH 2, FLAMMABILILTY 1, PHYSICAL HAZARD 0

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Revision Date: 03/11/2004

Revision 1

Number:

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