

Preparation

1. ensure all surfaces are clean, dry and free from debris.
2. Place either the mixing pot or glass airbrush pot onto the scales and calibrate by pressing the 'On/Tare' button.
3. Pour equal amounts of part A, part B and your chosen Pigment into the mixing pot one by one, ensuring they meet the 1:1:1 ratio by calibrating the scales between each measurement.
4. Stir the final mixture thoroughly to ensure an even distribution.

Application

1. Spray or brush the paint evenly onto the required area.
2. For best results a minimum of two coats is recommended, leaving at least twenty minutes between each application.
3. Once the two coats are complete the painted product should be left for at least 24 hours to ensure adequate time to dry.
4. The amount used will depend on spray technique and the porosity of the engraved material.

Cleaning

The cleaning fluid provided should be used in between every application on all apparatus to ensure that they do not become clogged.
Only use the cleaning product provided in your kit with Protec products.

Storage

Store your Protec products at room temperature, away from direct sunlight.
Do not cross contaminate products, or use other products with Protec.



Professional Paint Solutions

MATERIAL SAFETY DATA SHEET: PART A

1) **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name ProTec Arts Part A
Chemical description : Acrylic resin

2) **COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous ingredients	Acrylic resin CAS No: 1330-20-7
Risk Phrases	R10, R20/21, R38
Safety Phrases	21, 25

3) **HAZARD IDENTIFICATION**

Main Hazards Flammable. Irritating to skin and eyes. Repeated skin contact may cause skin irritation or dermatitis.

4) **FIRST AID MEASURES**

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water
Eye Contact: Bathe the eye with running water for 15 minutes
Ingestion: Drink plenty of water. Do not induce vomiting
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so

5) **FIRE FLIGHTING MEASURES**

Extinguishing media: Foam or dry chemical powder. Do not use water
Protection of fire fighters: Wear self contained breathing apparatus.

6) **ACCIDENTAL RELEASE MEASURES**

Personal precautions: Do not breathe vapours or spray mist or dust
Environmental Precautions: Do not discharge into rivers or drains
Clean up Procedures: Absorb into dry earth or sand. Transfer to a suitable container

7) **HANDLING AND STORAGE**

Usage precautions: Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame

8) **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Hazardous Ingredients:	Acrylic resin TWA (8 hour exposure limit): 220mg/m ³ STEL (15 min exposure limit): 441mg/m ³ (OES)
Respiratory Protection:	Respiratory protection if there is a risk of exposure to high vapour concentrations. Gas/vapour filter, type A: organic vapours (EN141)
Hand Protection	Neoprene gloves
Eye Protection	Chemical Resistant goggles
Skin Protection	Rubber apron or protective overalls. Chemical resistant footwear.

9) **PHYSICAL AND CHEMICAL PROPERTIES**

State:	Liquid
Colour:	Colourless
Odour:	Characteristic odour

Solubility in water: Insoluble
Flash point Oc 25

10) **STABILITY AND REACTIVITY**

Stability Normally stable

11) **TOXICOLOGICAL INFORMATION**

Hazardous ingredients: Acrylic resin

Ingestion: May cause discomfort if swallowed

12) **ECOLOGICAL INFORMATION**

13) **DISPOSAL CONSIDERATIONS**

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14) **TRANSPORT INFORMATION**

UN no:	1866	ADR Class:	3
Packing Group:	III	Classification code:	F1
Shipping name:	Resin Solution, Flammable (Acrylic resin)		
Labelling:	3	Hazard ID No:	30



IMDG/IMO

UN no:	1866	Class:	3
Packing Group:	III	EmS:	3-05/
Marine Pollutant:	NO	Labelling:	3

IATA/ICAO

UN no:	1866	Class:	3
Packing group:	III	Packing instructions:	309; 310
Labelling:	3		

15) **REGULATORY INFORMATION**

Hazard Symbols: Harmful



Risk Phrases: R10: Flammable
R20/21: Harmful by inhalation and in contact with skin
R38: Irritating to skin

Safety Phrases: S25: Avoid contact with eyes

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet.

16) **OTHER INFORMATION**

Revision date: 16.08.05

Complies with directives (2001/58/EC), (1999/45/EC), (91/155/EEC), (67/548/EEC) as amended and Chemicals (hazard information and packaging for supply) 2003 (CHIP3) Regulation, EH40.



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MATERIAL SAFETY DATA SHEET: PART B

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Protec Arts Part B
Chemical description : Acrylic resin

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	Acrylic resin CAS No: 1330-20-7
Risk Phrases	R10, R20/21, R38
Safety Phrases	21, 25

3. HAZARD IDENTIFICATION

Main Hazards Flammable. Irritating to skin and eyes. Repeated skin contact may cause skin irritation or dermatitis.

4. FIRST AID MEASURES

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water
Eye Contact; Bathe the eye with running water for 15 minutes
Ingestion: Drink plenty of water. Do not induce vomiting
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so

5. FIRE FLIGHTING MEASURES

Extinguishing media: Foam or dry chemical powder. Do not use water
Protection of fire fighters: Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breathe vapours or spray mist or dust
Environmental Precautions: Do not discharge into rivers or drains
Clean up Procedures: Absorb into dry earth or sand. Transfer to a suitable container

7. HANDLING AND STORAGE

Usage precautions: Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous Ingredients: Acrylic resin
TWA (8 hour exposure limit): 220mg/m³ STEL (15 min exposure limit): 441mg/m³ (OES)
Respiratory Protection: Respiratory protection if there is a risk of exposure to high vapour concentrations.
Gas/vapour filter, type A: organic vapours (EN141)
Hand Protection Neoprene gloves
Eye Protection Chemical Resistant goggles
Skin Protection Rubber apron or protective overalls. Chemical resistant footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Colourless
Odour:	Characteristic odour
Solubility in water:	Insoluble
Flash point Oc	25

10. STABILITY AND REACTIVITY

Stability Normally stable

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: Acrylic resin

Ingestion: May cause discomfort if swallowed

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

UN no:	1866	ADR Class:	3
Packing Group:	III	Classification code:	F1
Shipping name:	Resin Solution, Flammable (Acrylic resin)		
Labelling:	3	Hazard ID No:	30



IMDG/IMO

UN no:	1866	Class:	3
Packing Group:	III	EmS:	3-05/
Marine Pollutant:	NO	Labelling:	3

IATA/ICAO

UN no:	1866	Class:	3
Packing group:	III	Packing instructions:	309; 310
Labelling:	3		

15. REGULATORY INFORMATION

Hazard Symbols: Harmful



Risk Phrases: R10: Flammable
R20/21: Harmful by inhalation and in contact with skin
R38: Irritating to skin

Safety Phrases: S25: Avoid contact with eyes

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet.

16) OTHER INFORMATION

Revision date: 16.08.05

Complies with directives (2001/58/EC), (1999/45/EC), (91/155/EEC), (67/548/EEC) as amended and Chemicals (hazard information and packaging for supply) 2003 (CHIP3) Regulation, EH40.



Professional Paint Solutions

(i) MATERIAL SAFETY DATA SHEET: COLOUR PIGMENTS

1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Protec Arts Colours
Chemical description : Acrylic resin

2) COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	Acrylic resin CAS No: 123-86-4
Risk Phrases	R10, R66, R67
Safety Phrases	21, 25

3) HAZARD IDENTIFICATION

Main Hazards	Flammable. Repeated exposure may cause skin dryness or cracking.
Vapours may cause	Drowsiness and dizziness

4) FIRST AID MEASURES

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water
Eye Contact; Bathe the eye with running water for 15 minutes
Ingestion: Drink plenty of water. Do not induce vomiting
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so

5) FIRE FLIGHTING MEASURES

Extinguishing media: Foam or dry chemical powder. Do not use water
Protection of fire fighters: Wear self contained breathing apparatus.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breathe vapours or spray mist or dust
Environmental Precautions: Do not discharge into rivers or drains
Clean up Procedures: Absorb into dry earth or sand. Transfer to a suitable container

7) HANDLING AND STORAGE

Usage precautions: Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous Ingredients: Acrylic resin
TWA (8 hour exposure limit): 220mg/m³ STEL (15 min exposure limit): 441mg/m³ (OES)
Respiratory Protection: Respiratory protection if there is a risk of exposure to high vapour concentrations.
Gas/vapour filter, type A: organic vapours (EN141)
Hand Protection Neoprene gloves
Eye Protection Chemical Resistant goggles
Skin Protection Rubber apron or protective overalls. Chemical resistant footwear.

9) PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Odour:	Characteristic odour
Solubility in water:	Insoluble

Flash point Oc 25

10) **STABILITY AND REACTIVITY**

Stability Normally stable

11) **TOXICOLOGICAL INFORMATION**

Hazardous ingredients: Acrylic resin
Ingestion: May cause discomfort if swallowed

12) **ECOLOGICAL INFORMATION**

13) **DISPOSAL CONSIDERATIONS**

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14) **TRANSPORT INFORMATION**

UN no: 1866 ADR Class: 3
Packing Group: III Classification code: F1
Shipping name: Resin Solution, Flammable (Acrylic resin)
Labelling: 3 Hazard ID No: 30



IMDG/IMO

UN no: 1866 Class: 3
Packing Group: III EmS: 3-05/
Marine Pollutant: NO Labelling: 3

IATA/ICAO

UN no: 1866 Class: 3
Packing group: III Packing instructions: R001
Labelling: 3

15) **REGULATORY INFORMATION**

Hazard Symbols: No significant hazard
Risk Phrases: R10: Flammable
R66: Repeated exposure may cause skin dryness or cracking
R67: Vapours may cause drowsiness and dizziness
Safety Phrases: S-21: When using do not smoke
S-25: Avoid contact with eyes

16) **OTHER INFORMATION**

Revision date: 14.06.2005
SDS no: 001



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MATERIAL SAFETY DATA SHEET: CLEANING FLUID

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Protec Arts CF
Chemical description : N-Butyl Acetate

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	N-Butyl Acetate CAS No: 123-86-4
Risk Phrases	R10, R66, R67
Safety Phrases	21, 25

3. HAZARD IDENTIFICATION

Main Hazards	Flammable. Repeated exposure may cause skin dryness or cracking.
Vapours may cause	Drowsiness and dizziness

4. FIRST AID MEASURES

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water
Eye Contact; Bathe the eye with running water for 15 minutes
Ingestion: Drink plenty of water. Do not induce vomiting
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so

5. FIRE FLIGHTING MEASURES

Extinguishing media: Foam or dry chemical powder. Do not use water
Protection of fire fighters: Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breathe vapours or spray mist or dust
Environmental Precautions: Do not discharge into rivers or drains
Clean up Procedures: Absorb into dry earth or sand. Transfer to a suitable container

7. HANDLING AND STORAGE

Usage precautions: Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous Ingredients: Acrylic resin
TWA (8 hour exposure limit): 220mg/m³ STEL (15 min exposure limit): 441mg/m³ (OES)
Respiratory Protection: Respiratory protection if there is a risk of exposure to high vapour concentrations.
Gas/vapour filter, type A: organic vapours (EN141)
Hand Protection Neoprene gloves
Eye Protection Chemical Resistant goggles
Skin Protection Rubber apron or protective overalls. Chemical resistant footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Yellow
Odour:	Characteristic odour

Solubility in water: Insoluble
Flash point Oc 25

10. STABILITY AND REACTIVITY

Stability Normally stable

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: N-Butyl Acetate
Ingestion: May cause discomfort if swallowed

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

UN no: 1123 ADR Class: 3
Packing Group: III Classification code: F1
Shipping name: Resin Solution, Flammable (N-Butyl Acetate)
Labelling: 3 Hazard ID No: 30



IMDG/IMO

UN no: 1123 Class: 3
Packing Group: III EmS: 3 F-E, S-D
Marine Pollutant: NO Labelling: 3

IATA/ICAO

UN no: 1123 Class: 3
Packing group: III Packing instructions: P001
Labelling: 3

15. REGULATORY INFORMATION

Hazard Symbols: No significant hazard
Risk Phrases: R10: Flammable
R66: Repeated exposure may cause skin dryness or cracking
R67: Vapours may cause drowsiness and dizziness
Safety Phrases: S-21: When using do not smoke
S-25: Avoid contact with eyes

16) OTHER INFORMATION

Revision date: 14.06.2005
SDS no: 001