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COVENTRY CITY COUNCIL

ENVIRONMENTAL PROTECTION ACT 1990, SECTIONS 8(8), 12

NOTICE OF REVOCATION

To: *Coventry Metal Finishers, Unit 16, Hales Industrial Park, Rowleys Green Lane, Coventry, CV6 6AQ*

Coventry City Council ("the Council"), in exercise of the powers conferred on it by section 8(8), 12 of the Environmental Protection Act ("the Act"), hereby gives you notice as follows:

(for section 12(1) notices)

1. The authorisation reference **040** is hereby revoked with effect from **22nd December 1997.**

Signed on behalf of Coventry City Council

[redacted]

City Environment Officer
The officer appointed for that purpose

Date: **21st November 1997**

th/em2011rk

1st Class Post.

CERTIFICATE OF SERVICE BY HAND

I, [redacted] being employed as a EHO in the Housing and Environmental Services Directorate of Coventry City Council hereby certify that the Notice of which this is a copy was served/delivered by me to Coventry of Metal Finishers, Coventry, on 26/11 19 97

Signed [redacted]

500 L = 1 tonne

Audit Copy

Your Reference :
Our Reference : EH/EP/SEB/fl
Please ask for : S E Bodycote
Direct Dialling No : 831882
Date : 8th October 1993

City of Coventry

HOUSING AND ENVIRONMENTAL SERVICES DIRECTORATE

Director Howard T. Farrand
Providing Housing, Environmental and Client Agency Services

Michael Green
City Environment Officer
Broadgate House
Broadgate
Coventry, CV1 1NH

Telephone : 0203 83 3333
Fax : 0203 83 1831

THE ENVIRONMENTAL PROTECTION ACT 1990

The Environmental Protection (Prescribed Processes and Substances) Regulations 1991, SI 472.

The Environmental Protection (Application, Appeals and Registers) Regulations 1991, SI 507.

Authorisation No: 040
Application Received: 28th September 1992

Notice is hereby given that under the Environmental Protection Act 1990 Coventry City Council (hereafter called the Authority) gives authorisation to:

Powder D+D Coating

Coventry Metal Finishers Ltd
Unit 16
Hales Industrial Park
Rowleys Green Lane
Coventry
CV6 6AQ

Register in England No: 1781258

For the power coating and spraying of metal components as described on Page 2 at:

D+D Powder Coating

Coventry Metal Finishers Ltd
Unit 16
Hales Industrial Park
Rowleys Green Lane
Coventry
CV6 6AQ

Subject to the conditions specified on the attached pages, Nos 1 to 4, and within the process boundary as indicated on Plan No. 1.

Signed [redacted] ..... Dated 11th day of October 1993
City Environment Officer

1. DESCRIPTION OF PROCESS

1.1 This authorisation is for the wet spraying and powder coating of metal components, as described in the Environmental Protection (Prescribed Processes and Substances) Regulations 1991, SI472, Section 6.5 Part B paragraph (b) within the process boundary outlined in red on the attached Plan numbered 1 and specifically relates to the processes outlined below.

1.2 The delivery and storage of paints, diluents and cleaning solvents in the external and internal paint store as shown in the Plan numbered 1.

1.3 The degreasing, rinsing and oven drying of metal components.

1.4 The wet spraying of metal components in the two De Vilbiss spraybooths and the oven curing in the oven, as shown on Plan numbered 1, employing a De Vilbiss spray gun.

1.5 The powder coating in the two De Vilbiss spray booths and oven curing in the oven, as shown on the Plan numbered 1, employing De Vilbiss electrostatic spray guns.

1.6 Any change to the above descriptions must not take place without the prior consent from this Authority.

2. EMISSION LIMITS AND CONTROLS

2.1 All emissions to air shall be free from offensive odour outside the process boundary, as perceived by the local Authority Inspector.

2.2 There shall be no visible emissions of particulate matter noticeable beyond the process boundary.

2.3 All pollution concentrations shall be expressed at standard conditions of 273K and 101.2Kpa without correction for water vapour content.

2.4 The introduction of dilution air to achieve the emission concentration limits in this authorisation is not permitted. Exhaust flow rates should be consistent with the efficient capture of emissions.

3. MONITORING SAMPLING AND MEASUREMENT OF EMISSIONS

3.1 A visual assessment of particulate emissions from the spray booths shall be carried out at least once a day while spraying operations are in progress. This shall be carried out by making an assessment of paint deposits beyond the process boundary.

3.2 An olfactory assessment of emissions of volatile organic compounds shall be carried out at least once a day from the position marked x on the plan numbered 1.

3.3 The results of monitoring to comply with 3.1 and 3.2 shall be recorded in a log book. This shall include the date, time, wind strength and direction, the name of the observer and an assessment of the emissions. This log book shall be retained, on site, for a minimum of four years.

3.4 Any adverse results from the monitoring required in 3.1 and 3.2 shall be followed up immediately by the investigation of the cause of the emission and any corrective action taken, with this also being recorded in the log book.

3.5 A detailed record shall be kept of all organic solvents used in the prescribed processes. This shall include cleaning solvent usage, diluent solvent usage and solvents contained within coatings used. This inventory shall be forwarded to the local authority at least once every six months and shall include a determination for the total organic solvent usage for that period.

4. MATERIALS HANDLING

4.1 The mixing of paint shall only be carried out in the area marked paint store as shown on the plan numbered 1.

4.2 Spray gun testing, following cleaning shall only be carried out in the spray booths. This shall only be undertaken while the spray booths are in proper working order.

4.3 Spraying shall only be carried out in the spraybooths and these must be in proper working order.

4.4 All partially full and nominally empty containers which hold or have held materials which contain organic solvents or particulate matter must be stored in the internal paint store and have lidded containers.

4.5 All full containers which hold materials which contain organic solvents or particulate matter must be stored in the external paint store and have lidded containers.

4.6 The cleaning of spray guns and other equipment shall be carried out in the fully enclosed gun wash machine.

5. CHIMNEYS, VENTS AND PROCESS EXHAUSTS

5.1 Emissions from the powder coating and spraying of coatings in the two De Vilbiss spraybooths shall only be emitted to atmosphere via the cascading water filtration system.

5.2 Emissions from the curing of coatings in the stoving oven and drying oven shall be emitted to air via the proper process exhaust.

6. GENERAL OPERATIONS

6.1 Any mechanical malfunction or spillage of material shall be attended to and remedied as soon as possible. Any incident likely to give rise to atmospheric emissions shall be noted in detail in the process log book as described in 3.3.

6.2 Any incidents likely to give rise to emissions which may have an impact on neighbouring residents shall be reported immediately to this Authority.

6.3 A copy of this authorisation shall be displayed so it can be conveniently read by persons having duties which are or maybe affected by this authorisation.

6.4 The operator shall supply, to this Authority, on demand and without charge, a copy of all or part of the monitoring records kept in accordance with this authorisation.

7. UPGRADING OF THE PROCESS

7.1 No later than six months from the date of this authorisation, a programme for upgrading the process shall be submitted to this Authority. The upgrading programme shall have regard to the Secretary of State's Guidance:

Powder Coating Process, including sheradizing	PG 6/31 (92).
Coating of Metal and Plastic	PG 6/23 (92).

7.2 Any proposed methods for non-continuous emission sampling for the purposes of complying with the authorisation must be agreed in writing with this Authority.

SUPPLEMENTARY NOTES

THESE NOTES ARE NOT PART OF THE AUTHORISATION

1. Your attention is drawn to your obligation under Section 7(2) of the Environmental Protection Act 1990 to ensure that the best available techniques, not entailing excessive cost (BATNEEC) for:

   A) preventing the release of prescribed substances into the air or where that is not practicable by such means, for reducing the release into the air of such substances to the minimum and for rendering harmless any such substances that are so released; and

   B) for rendering harmless any other substances which might cause harm if released into the air.

2. The authority for contact purposes should be taken to mean the head of the Environmental Protection Department, Tel 831810 during office hours, 832222 outside office hours.

3. You will note that condition 7.1 of the authorisation requires you to submit a schedule of works for approval by this Authority, within six months of the issue date. This schedule must describe the procedures and improvements that you intend to implement in order to meet the requirements of the relevant guidance note referenced within the authorisation. From observations and inspections of the process I would recommend that the following topics are specifically included.

   a) The results of non-continuous emission sampling of emissions from the De Vilbiss spraybooths, the stoving oven and the drying oven to indicate what improvements (if any) are required to ensure compliance with the emission limits stated in the Process Guidance Note.

   b) The proposed frequency of further non-continuous emission sampling, taking into account the results of the initial monitoring exercise.

   c) The adoption of HVLP or other spraying techniques for paint spraying to ensure a transfer efficiency of >65%.

   d) The increase in height of the final discharge points from the two De Vilbiss spraybooths, the stoving oven and the drying oven according to the requirements of the Process Guidance Notes. This should include a calculation of the proposed ground level pollutant concentration around the prescribed process.

epa/metfinish

ENVIRONMENTAL PROTECTION ACT 1990, PART 1
THE ENVIRONMENTAL PROTECTION (PRESCRIBED PROCESSES AND SUBSTANCES) REGULATIONS 1991 SI [ ]
THE ENVIRONMENTAL PROTECTION (APPLICATIONS, APPEALS AND REGISTERS) REGULATIONS 1991 SI [ ]

APPLICATION FOR AUTHORISATION UNDER SECTION 6 OF THE ENVIRONMENTAL PROTECTION ACT 1990

1. Either Name and address of applicant*

COVENTRY METAL FINISHERS LTD
UNIT 6 HALES INDUSTRIAL PARK
ROWLEYS GREEN LANE
COVENTRY CV6 6AQ

OR Name, number and registered office of applicant company* (if applicable)

REGISTRATION Nº 178 1258
REGISTERED OFFICE AS ABOVE.

* the person/company who will operate the process, not e.g the person/consultant who is writing the application on the operator's behalf.

2. Name and address of premises where process is or will be carried on (not applicable to mobile processes)

AS ABOVE.

3. Address for correspondence if different from 1

4. List of maps or plans enclosed with the application showing the location of the premises where the process is or will be carried on.

1. LOCATION PLAN .....
2. FACTORY LAYOUT PLAN .....
.....
.....

Where the process is or will be carried on only part of the premises whose address is given at 2 above, either describe which part of the premises or list the plan(s) which identifies these parts.

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.....
.....
.....

5. List of attached documents comprising part of the application **

5.1 PROCESS DESCRIPTION. .....
5.2. PRESCRIBED SUBSTANCES RELEASED TO ATMOSPHERE. .....
TOGETHER WITH HEALTH & SAFETY INFORMATION. .....
5.3 PREVENTION TECHNIQUES. .....
5.4 RELEASE OF SUBSTANCES TO ATMOSPHERE .....
5.5 PROPOSALS FOR MONITORING RELEASES .....
.....
.....

(use continuation sheet if necessary)

** Regulation 2 of the Environmental Protection (Applications, Appeals and Registers) regulations 1991 requires that all applications must include the following information (for guidance on these requirements see General Guidance note No 3) - "Secretary of State's Guidance: Application and Registers", HMSO. 1991):-

- description of the prescribed process

- list of prescribed substances (and any other substances) which might cause harm if released into the air) used in connection with or resulting from the prescribed process

- description of the techniques to be used for preventing releases into the air of such substances, for reducing such substances to a minimum and for rendering harmless any such substances that are released

- details of any proposed release of such a substance into the air and an assessment of the environmental consequences

- proposals for monitoring any release of such substances, the environmental consequences or any such release and the use of techniques for preventing (etc)?? releases

- the matters on which the applicant relies to establish that the objectives in section 7(2) of the Act will be achieved and that he will be able to comply with the condition implied by section 7(4) of the Act

The applicant may also supply any other information he wishes the Local Authority to take into account in considering his application.

Fee enclosed (cheques to be made payable to

COVENTRY CITY ..... Council)

£ 900.00 .....

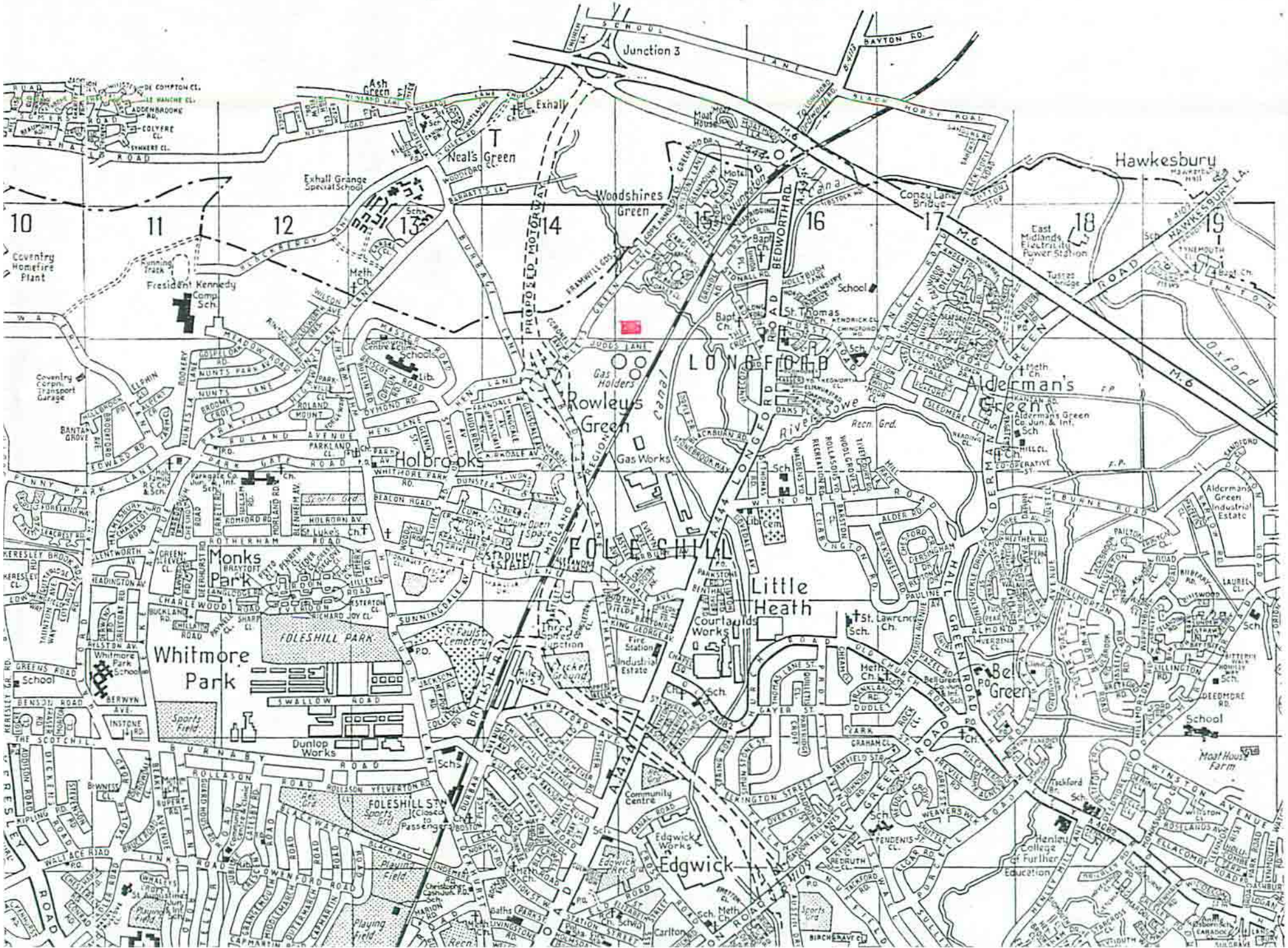
I hereby certify that all the information contained in this application is, to the best of my knowledge, correct.

[redacted] ..... (Signature)

23-9-92. ..... (Date)

pol/kc25032ms

COVENTRY METAL FINISHERS LTD - LOCATION PLAN



5.1 PROCESS DESCRIPTION

The purpose of the Company is to provide a powder coating and/or Wet painting finish to steel or aluminium components supplied by customers.

5.1
(a) The pretreatment of components prior to painting consists of the following

1st Stage	Degrease and iron phosphate liquid Applied by jets under pressure
2nd Stage	Cold Water Rinse Applied by jets under pressure
3rd Stage	Hot Water Rinse Applied by jets under pressure
4th Stage	Drying Oven Air Blowers - Gas Heated up to 150°C.

5.1
(b) Wet painting is applied under air pressure. This is carried out in the two painting booths. The booths are wet back arrestors fitted with a water screen curtain and a suction fan which draws the air through wet filters before exhausting to atmosphere. The water in the booths has a de-naturant chemical added which breaks the paint down to render easy removal.

5.1
(c) Powder coating is applied electrostatically. This is also carried out in the two painting booths. Excess powder is extracted by the water screen and by the wet filters before exhausting to atmosphere.

5.1
(d) Stoving is carried out in a gas heated convexion oven at temperatures up to 250°C. There are two fans in the oven which circulates the heated air. On completion of the stoving process and oven shut-down the hot air emits to atmosphere through oven vents.

5.2 Prescribed substances released to atmosphere

A wide range of paint products are used but the vast majority are sourced from two suppliers.

1. Cromadex Powder Coatings

2. De Soto Titanine Wet Paint

The Health and Safety Sheet/Information Records are appended.

5.3 Prevention Techniques

a) The effluent produced in the pretreatment plant tanks is periodically (approx every 8 weeks) collected by Biffa Waste Services Ltd., and disposed of in a controlled manner.

b) The effluent produced in the wet-back booth tank is periodically collected by Biffa Waste Services Ltd. and disposed of in a controlled manner. To assist the breakdown of the paint solids a Brent Europe Ltd., de-naturant chemical is applied in small quantities.

c) Paints are stored in two places

1. External paint store - for paints not in use

2. Internal paint store - for paints in use

d) Thinners and gun wash solvents are kept sealed except when in use.

e) Both paint booths are wet back booths and are fitted with wet back filters to prevent paint dust spray and powder excesses escaping to atmosphere.

f) An estimate of paint usage is approx. 60% powder to 40% wet paint.

5.4 Release of substances to atmosphere - wet solvents

Ministry of Defence paints used during the year approximate to 2000 litres mainly of the Def-Stan 80-41 range supplied by De Soto. Other products from Cromadex approximate to 350 Litres.

Release of substances to atmosphere - Powder

90% of all powder coating materials are supplied by Cromadex. This year they will source 4000 kilograms approximately an approximate annual consumption of powder coatings is 4500 kilograms.

Information relating to atmospheric releases is contained in the Health and Safety information referred to in 5.2 of the application.

5.5 Proposals for monitoring release of substances to atmosphere

a) At this stage it is only a visual roof covering survey carried out weekly.
A record of visual monitoring is kept.
It is difficult for us to assess emissions directly attributable to us using a visual approach because there is also another powder coating business in the adjacent unit namely B. & B. Powdercoaters.

5.6 It is the Company's intention to examine improved equipment available which will give better control over emissions to atmosphere. The capital costs of such improvements will have to be spread over a period of 2-3 years.

DeSoto Titanine

DeSoto Titanine plc

Shildon
County Durham
United Kingdom DL4 2QP
Tel: (0388) 772541
Fax: (0388) 774373
Telex: 58641 DeSoto G

PRODUCT SAFETY DATA SHEET (M2/1.91)

Date 3/92

FORMULATION DETAILS IN CONFIDENCE

Product Name ..... PRIMER DEFENCE EQUIPMENT DEF STAN 80-41

Product Code Reference PP607/216

SECTION I - GENERAL COMPOSITION OF THE PRODUCT READY FOR USE

Pigment Type: Zinc Chromate, Zinc Phosphate, Titanium Dioxide + Extender

Binder Type: Styrenated Alkyd Resin

Solvent Type: Aliphatic Hydrocarbon

SECTION II - TABLE OF HAZARDOUS INGREDIENTS

Component	% wt approx	OES (S) 8hr TWA(*)	OES (S) 10min TWA(X)	Unit	Note
Zinc Chromate	<10	0.05 (M)	-	mg/m^3	As Cr
White Spirit	40	100	125	ppm	

(*) Long term exposure limit - 8 hour time weighted average
(X) Short term exposure limit - 10 minute time weighted average
(S) Occupational Exposure Standard
(M) Maximum Exposure Limit
(SKIN) There is a risk of absorption through unbroken skin
(R) Recommended
(SEN) R42 - May cause sensitisation by inhalation
(C) R45 - May cause cancer

DeSoto Titanine

DeSoto Titanine plc
Shildon
County Durham
United Kingdom DL4 2QP
Tel: (0388) 772541
Fax: (0388) 774373
Telex: 58641 DeSoto G

PRODUCT SAFETY DATA SHEET (M2/1.91)

Date 3/92

FORMULATION DETAILS IN CONFIDENCE

Product Name: Undercoat Def Stan 80-41 Spraying

Product Code Reference: UC602/632

SECTION I - GENERAL COMPOSITION OF THE PRODUCT READY FOR USE

Pigment Type: Titanium Dioxide, Amorphous Carbon, Synthetic Iron Oxide + Extender

Binder Type: Styrenated Alkyd Resin

Solvent Type: Aliphatic Hydrocarbon

SECTION II - TABLE OF HAZARDOUS INGREDIENTS

Component	% wt approx	OES (S) 8hr TWA(*)	OES (S) 10min TWA(X)	Unit	Note
White Spirit	40	100	125	ppm	

(*) Long term exposure limit - 8 hour time weighted average
(X) Short term exposure limit - 10 minute time weighted average
(S) Occupational Exposure Standard
(M) Maximum Exposure Limit
(SKIN) There is a risk of absorption through unbroken skin
(R) Recommended
(SEN) R42 - May cause sensitisation by inhalation
(C) R45 - May cause cancer

DeSoto Titanine

DeSoto Titanine plc

Shildon
County Durham
United Kingdom DL4 2QP
Tel: (0388) 772541
Fax: (0388) 774373
Telex: 58641 DeSoto G

PRODUCT SAFETY DATA SHEET (M2/1.91)

Date 1/92

FORMULATION DETAILS IN CONFIDENCE

Product Name ..... I.R.R. MATT NATO GREEN DEF STAN 80-41 SPRAYING

Product Code Reference SEA605/285

SECTION I - GENERAL COMPOSITION OF THE PRODUCT READY FOR USE

Pigment Type: Inorganic Pigment, Synthetic Iron Oxide + Extender

Binder Type: Silicone Modified Alkyd Resin

Solvent Type: Aliphatic Hydrocarbon

SECTION II - TABLE OF HAZARDOUS INGREDIENTS

Component	% wt approx	OES (S) 8hr TWA(*)	OES (S) 10min TWA(X)	Unit	Note
White Spirit	40	100	125	ppm	
Chromium Oxide	<5.0	0.5	-	mg/cm^3	As Cr.
Chrome Titanate	<1.0	0.5	-	mg/cm^3	As Cr.

(*) Long term exposure limit - 8 hour time weighted average
(X) Short term exposure limit - 10 minute time weighted average
(S) Occupational Exposure Standard
(M) Maximum Exposure Limit
(SKIN) There is a risk of absorption through unbroken skin
(R) Recommended
(SEN) R42 - May cause sensitisation by inhalation
(C) R45 - May cause cancer

£900.00

= 102557

COVENTRY METAL FINISHERS LTD. LAYOUT PLAN