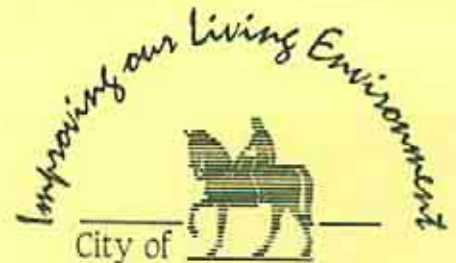


Your Reference :
Our Reference :
Please ask for :
Direct Dialling No :
Date :

**INFORMATION
ONLY**

34



City of
Coventry

HOUSING AND ENVIRONMENTAL
SERVICES DIRECTORATE

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

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

Telephone : 01203 83 1832/34
Telecom Gold Mailbox : 76 : END042
Fax : 01203 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: 034

Application Received: 24th August 1992

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

**B I Group Plc
Nevill House
42-46 Hagley Road
Birmingham
B16 8SZ**

Register in England No: 446179

For the refurbishment of domestic and industrial gas meters as described on Page 2 at:

**George Wilson Industries
Barlow Road
Aldermans Green Industrial Estate
Coventry CV2 2TD**

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..... Dated..... day of.....199...
City Environment Officer

1. DESCRIPTION OF PROCESS

- 1.1 This authorisation is for the refurbishment of domestic and industrial gas meters, as described in the Environmental Protection (Prescribed Processes and Substances) Regulations 1991, SI472, Section 6.5 Part B paragraph (a) 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 paint store as shown in the Plan numbered 1.
- 1.3 The mixing of paints in the paint mix area marked on the Plan numbered 1.
- 1.4 The paint spraying of gas metres in the Auto and Hand Spray booths shall use the Newton paints as shown on the Plan numbered 1, employing electrostatic and conventional spraying techniques.
- 1.5 The flash off and curing of paints in the flash off area shown on the Plan numbered 1.
- 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 emissions of particulate matter noticeable beyond the process boundary.
 - 2.2.1 The coatings used in the process shall meet the volatile organic compounds content specified in Section 20 of the Secretary of State's Guidance Coating of metal and plastic 6/23(97).
 - 2.2.2 The following emission to atmosphere expressed as a fifteen minute mean shall not be exceeded:

(a)	Total particulate matter from the Auto Spraybooth.	50mg/m ³
(b)	Total particulate matter from the Hand Spraybooth.	50mg/m ³
- 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.
 - 3.2.1 Emissions from the Auto and Hand Spray booths shall be tested for particulates matter at least one a year to demonstrate compliance with Clause 2.2.2(a).
- 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 cleaning of spray guns and other equipment shall only be carried out in the Auto and Hand spray booths. This shall be achieved whilst the extractor is operating.
- 4.2 The mixing of paint shall only be carried out in the area marked paint mixing area as shown on the plan numbered 1.
 - 4.2.1 The spraying of paint shall only be carried out in the Auto and Hand spray booths. This shall only be carried out while the extraction system is in operation.
 - 4.2.2 The application equipment for all coatings shall be capable of achieving transfer efficiency of solids of at least 65%.
- 4.3 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.
 - 4.3.1 Drums holding organic solvents shall be stored in areas containing spillage containment kerbs such as the outer storage area.
- 4.4 All full, partially full and nominally empty containers which hold or have held materials which contain organic solvents must be stored in the paint mixing rooms or the paint cupboard and have lidded containers.
- 4.5 Waste solvents and other liquid wastes containing VOC's shall be reduced by substituting solvent based paint with other water based or compliant coatings.

5. CHIMNEYS, VENTS AND PROCESS EXHAUSTS

- 5.1 Emissions from the spraying of coatings in the Auto paint and Hand spray systems spray booths shall only be emitted to atmosphere via the cardboard filter arrestors and nylon secondary particle filters. The height of the final discharge point for the stacks shall be 3m above the roof ridge and the efflux velocity shall not be less than 15m/sec. Alternatively details shall be submitted to determine whether or not the current height of the stack will allow adequate dispersion.
- 5.2 Emissions from the flashing off or curing of coatings shall only be emitted to air via the extraction points marked on the plan numbered 1. The height of the final discharge point for the stacks shall be 3m above the roof ridge and the efflux velocity shall be less than 15m/sec. Alternatively details shall be submitted to determine whether or not the current height of the stack will allow adequate dispersion.

6. GENERAL OPERATIONS

- 6.1 Any mechanical malfunction or spillage of material shall be attended to and remedied as soon as possible. Any spillages of organic solvents must be cleaned up using the absorbent material held on site such materials shall be stored in sealed containers prior to removal. 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 Deleted.
- 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.

epa/geowilson

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 831834 during office hours, 832222 outside office hours.

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 []

ENVIRONMENTAL SERVICES DEPT		
REF. TO	ACK	REPLY
L900-00		
Chg No. 012995		

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

1. Either Name and address of applicant*
.....
GEORGE WILSON INDUSTRIES
.....
BARLOW ROAD
.....
ALDERMANS GREEN INDUSTRIAL ESTATE
.....
COVENTRY CV2 2TD
.....

OR Name, number and registered office of applicant company* (if applicable)
.....
GEORGE WILSON INDUSTRIES
.....
REGISTERED NO. 446179
.....
WILLIAMS HOLDINGS PLC PENTAGON HOUSE
.....
SIR FRANK WHITTLE ROAD DERBY DE2 4XA
.....

* 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 1 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.

A TO Z PAGE SHOWING LOCATION
.....
.....
.....
.....

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.

.. FACTOR PLAN SHOWING PAINT APPLICATION ..
.. PLANT LOCATION ..
.....
.....

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

.. APPLICATION FORM ..
.. APPLICATION NOTES ..
.. A TO Z LOCATION MAP ..
.. FACTORY LAYOUT ..
.. COSHH FORMS PERTAINING TO PRESCRIBED ..
.. SUBSTANCES ..
.....
.....

(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)
 £*9.00*.....

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

..... (Signature)

..... (Date)

pol/kc25032ms

APPLICATION FOR AUTHORISATION
ENVIRONMENTAL PROTECTION ACT 1990

DESCRIPTION OF PRESCRIBED PROCESSES

Application of wet solvent-based paint to domestic and industrial Gas Meters. Application is carried out using electrostatic and conventional spraying equipment.

LIST OF PRESCRIBED SUBSTANCES

Wet pain, solvents and thinners as listed below. Enclosed are Supplier's COSHH Sheets which show some constituents.

1. BECKER Grey and Light Stone paint
2. BECKER thinners
3. NEWTOWN Light Stone paint
4. NEWTOWN thinners
5. FINNEGANS Hammerite paint
6. FINNEGANS Hammerite thinners

DESCRIPTION OF TECHNIQUES TO BE USED FOR PREVENTING RELEASE INTO THE ATMOSPHERE

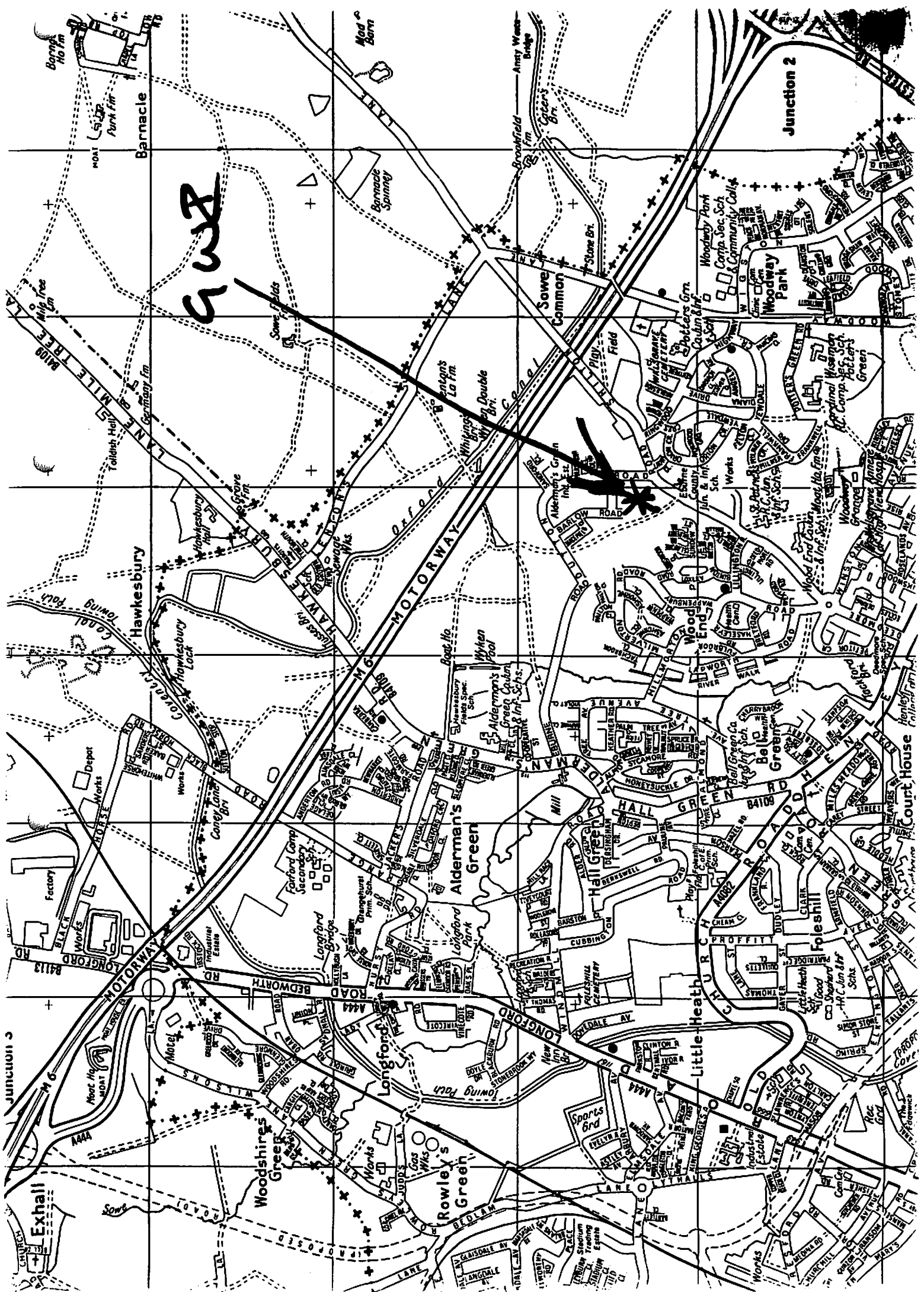
1. Present system utilises corrugated cardboard filter arrestors. Investigations ongoing into alternative filter media.
2. Investigations are ongoing into water-based paint and paint with higher solid content.

DETAILS OF PROPOSED RELEASE TO ATMOSPHERE

This is likely to be solvents flashing off from paints - xylene etc. See list of prescribed substances - COSHH Sheets.

PROPOSALS FOR MONITORING RELEASE

Investigations are ongoing.



922

Junction 2

JUNCTION 3

Exhall

Court House

ONE MILE
TWO MILE

Hawkesbury

Woodshires Green

Rowley's Green

Alderman's Green

Little Heath

Hall Green

Green

Wood End

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Barnacle

Barnacle

Barnacle

Barnacle

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Barnacle

Barnacle

Woodshires Green

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Rowley's Green

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Alderman's Green

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Alderman's Green

Alderman's Green

Alderman's Green

Little Heath

Little Heath

Little Heath

Little Heath

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Little Heath

Little Heath

Little Heath

Little Heath

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Woodway Park

Beckers



Becker Industrial Coatings

Goodness Road

Liverpool
L24 9LU

Tel: 051 486 4221
Fax: 051 486 0389

HEALTH AND SAFETY DATA SHEET

PRODUCT CODE 180/1397

DATE September 24, 1991

PRODUCT NAME GREY METER ALKYD FINISH.

INTENDED USE

Air drying paint/lacquer for industrial use only. Application only by spray when mixed with the recommended thinner/accelerator.

Suitability for other uses should be referred to the manufacturer.

COMPOSITION

A mixture of resins, organic and inorganic pigments and organic solvents as required.
Containing: XYLENE 1-NITROPROPANE

HEALTH HAZARDS

This product is classified as Flammable and Harmful (Classification, Packaging and Labelling of Dangerous Substances Regulations 1984)

Risk and Safety Phrase

- Harmful by inhalation, in contact with skin and if swallowed
- Avoid contact with eyes.
- Keep container tightly closed.
- Use in only well ventilated areas.
- Do not breathe vapour/spray.
- In case of insufficient ventilation wear suitable respiratory equipment.

Occupational exposure limits (OEL) have been established by the Health And Safety Commission for certain of the ingredients and these should always be observed:-

SUBSTANCE	WEIGHT LIMIT IN PAINT(%)	OEL 8HR.*	OEL 10 MIN.x	NOTES
XYLENE	>25	100 R	150 R	SKIN
1-NITROPROPANE	5-10	25 R		
NITROETHANE	1.5-2.5	100 R		

- (*) Long term exposure limit - 8 hour time weighted average.
- (x) Short term exposure limit - 10 minute time weighted average.
- (R) Recommended limit (Occupational Exposure Standard).
- (C) Control limit (Maximum Exposure Limit).
- (S) Manufacturers Data.
- (m) Limits in mg/m all other limits in parts per million (ppm).
- (SKIN) There is a risk of absorption through unbroken skin.

Further guidance on OEL and the assessment of occupational exposure to harmful materials including mixed exposures, is given in HSE Guidance Note EH40.

HEALTH AND SAFETY DATA SHEET

PRODUCT CODE 180/1771

DATE 24 September 1991

PRODUCT NAME LIGHT STONE GLOSSY AIR DRYING FINISH

INTENDED USE

Air drying paint/lacquer for industrial use only. Application only by spray when mixed with the recommended thinner/accelerator.

Suitability for other uses should be referred to the manufacturer.

COMPOSITION

A mixture of resins, organic and inorganic pigments and organic solvents as required. Containing: XYLENE 1-NITROPROPANE.

HEALTH HAZARDS

This product is classified as Flammable and Harmful (Classification, Packaging and Labelling of Dangerous Substances Regulations 1984).

Risk and Safety Phrase

- Harmful by inhalation, in contact with skin and if swallowed.
- Avoid contact with eyes.
- Keep container tightly closed.
- Use in only well ventilated areas.
- Do not breath vapour/spray.
- In case of insufficient ventilation wear suitable respiratory equipment.

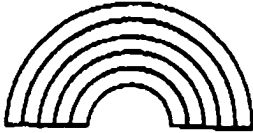
Occupational exposure limits (OEL) have been established by the Health and Safety Commission for certain of the ingredients and these should always be observed:

<u>SUBSTANCE</u>	<u>WEIGHT LIMIT</u>	<u>OEL</u>	<u>OEL</u>	<u>NOTES</u>
	<u>IN PAINT %</u>	<u>8HR *</u>	<u>10MIN x</u>	
XYLENE	25	100R	150R	SKIN
1-NITROPROPANE (S)	5-10	25 R		
NITROETHANE	1.5-2.5	100R		

- (*) Long term exposure limit - 8 hour time weighted average.
- (x) Short term exposure limit - 10 minute time weighted average.
- (R) Recommended limit (Occupational Exposure Standard).
- (C) Control limit (Maximum Exposure Limit).
- (S) Manufacturers 3Data.
- (m) Limits in mg/m all other limits in parts per million (ppm).
- (SKIN) There is a risk of absorption through unbroken skin.

Further guidance on OEL and the assessment of occupational exposure to harmful materials including mixed exposures, is given in HSE Guidance Note EH40.

Beckers



Beckers Industrial Coatings

Goodlass Road
Speke
Liverpool
L24 9HJ

Tel: 051-486 4221
Telex: 627853
Telefax: 051-486 0389

HEALTH AND SAFETY DATA SHEET

PRODUCT CODE: 046/0012

DATE: September 24, 1991

PRODUCT NAME: THINNERS

INTENDED USE

Thinners for industrial use only when mixed with appropriate paint as recommended.

Suitability for other uses should be referred to the manufacturer.

COMPOSITION

A mixture of organic solvents
Containing:XYLFNF

HEALTH HAZARDS

This product is classified as Flammable and Harmful Substances (Classification, Packaging and Labelling of Dangerous Substances Regulations 1984)

Risk and Safety Phrase

- :Harmful by inhalation, in contact with skin and if swallowed
- :Avoid contact with eyes.
- :Keep container tightly closed.
- :Use in only well ventilated areas.
- :Do not breathe vapour/spray.
- :In case of insufficient ventilation wear suitable respiratory equipment.

Occupational exposure limits (OEL) have been established by the Health And Safety Commission for certain of the ingredients and these should always be observed:-

<u>SUBSTANCE</u>	<u>WEIGHT LIMIT IN PAINT (%)</u>	<u>OEL 8HR,*</u>	<u>OEL 10 MIN,x</u>	<u>NOTES</u>
XYLENE	>50	100 R	150 R	SKIN

- (*) Long term exposure limit - 8 hour time weighted average.
- (x) Short term exposure limit - 10 minute time weighted average.
- (R) Recommended limit (Occupational Exposure Standard).
- (C) Control limit (Maximum Exposure Limit).
- (S) Manufacturers Data.
- (m) Limits in mg/m³ all other limits in parts per million (ppm).
- (SKIN) There is a risk of absorption through unbroken skin.

Further guidance on OEL and the assessment of occupational exposure to harmful materials including mixed exposures, is given in HSE Guidance Note EH40.

NEWTOWN
INDUSTRIAL PAINTS LTD

H & S DATA SHEET

PAGE 1 OF 5

Date of Issue18/11/91....
Revised
Revised

CONFIDENTIAL

HEALTH AND SAFETY DATA SHEET

1 MATERIAL AIR DRYING SINGLE PACK LIGHT STONE

CODE NUMBER TH.0250

2 INTENDED USE NON-FERROUS SUBSTRATE

3 COMPOSITION
Inorganic pigments dispersed in a blend of synthetic resins and alcohol/Ketone solvents.

HEALTH HAZARDS

This product is Classified as "HARMFUL" under the Classification, Packaging and Labelling of Dangerous Substances Regulations, 1984.

Occupation exposure standards (O.E.S.) have been established by the Health and Safety Commission for certain of the ingredients and these should always be observed.

SUBSTANCE	% Wt. IN PAINT	O.E.S.		NOTES
		8 HR.T.W.A. (*)	10 MIN.REF.PERIOD (X)	
iso-BUTANOL	ABOVE 50%	50 ppm (R)	75 ppm (R)	
M.I.B.K.	BELOW 12%	50 ppm (R)	75 ppm (R)	SKIN
PHOSPHORIC ACID	BELOW 2%	1mg/M3 (R)	3mg/M3 (R)	SKIN

- (*) Long term exposure limit - 8 hour time weighted average reference period
- (X) Short term exposure limit - 10 minute reference period
- (R) Recommended limit/Occupational Exposure Standard
- (C) Control limit/Maximum Exposure Limit (M.E.L.)
- (SKIN) There is a risk of absorption through unbroken skin

11
ISSUE D
DATE 3.9.90.

NEWTOWN
INDUSTRIAL PAINTS LTD

H & S DATA SHEET

PAGE 1 OF 5

Date of Issue ...15/2/92.....
Revised
Revised

CONFIDENTIAL

HEALTH AND SAFETY DATA SHEET

1. MATERIAL THINNER
- CODE NUMBER T-36
2. INTENDED USE THINNING PAINT FINISHES
3. COMPOSITION
A blend of Aromatic Hydrocarbon and Alcohol Solvents.

HEALTH HAZARDS

This product is Classified as "HARMFUL" under the Classification, Packaging and Labelling of Dangerous Substances Regulations, 1984.

Occupation exposure standards (O.E.S.) have been established by the Health and Safety Commission for certain of the ingredients and these should always be observed.

SUBSTANCE	% Wt. IN PAINT	O.E.S.	O.E.S.	NOTES
		8 HR.T.W.A. (*)	10 MIN.REF.PERIOD (X)	
XYLENE	ABOVE 30%	100 ppm (R)	150 ppm (R)	SKIN
BUTYL ALCOHOL	ABOVE 30%	50 ppm (R)	50 ppm (R)	SKIN

- *) Long term exposure limit - 8 hour time weighted average reference period
 (X) Short term exposure limit - 10 minute reference period
 (R) Recommended limit/Occupational Exposure Standard
 (C) Control limit/Maximum Exposure Limit (M.E.L.)
 (SKIN) There is a risk of absorption through unbroken skin

MP11
ISSUE D
DATE 3.9.90.

Hunting Lubricants & Specialised Products Ltd.

FINNIGAN'S
PROVEN PROTECTION

Hermetite

SOLVOL

HEALTH & SAFETY DATA SHEET

1. PRODUCT NAME

HAMMERITE

2. INTENDED USE

A decorative and corrosion resistant coating for ferrous metals and other suitably prepared substrates.

For use by brush, roller, conventional and airless spray.

Suitability for other uses should be referred to the manufacturer.

3. COMPOSITION

Styrenated oil modified alkyd containing organic and inorganic pigments, aromatic and chlorinated solvents.

4. HEALTH HAZARDS

The product is classified as 'Harmful' under the Classification, Packaging and Labelling of Dangerous Substances Regulations 1984.

Occupational exposure limits (OEL) have been established by the Health & Safety Commission for certain of the ingredients and these should always be observed.

SUBSTANCE	WEIGHT %	OEL(*)	OEL(X)	NOTES
XYLENE	24-33%	100ppm(R)	150ppm(R)	SKIN(+)
TRICHLOROETHYLENE	14-24%	100ppm(C)	150ppm(C)	SKIN
n-BUTANOL	1-2%	50ppm(R)	50ppm(R)	SKIN

Cont....

HAMMERITE, WAXOYL AND HERMETITE ARE REGISTERED TRADE MARKS

DISCLAIMER

The information given and the recommendations made herein are based upon our research and are believed to be accurate. Since specific applications by the customer are beyond our control, this company cannot assume responsibility for any risks, liabilities, or patent infringements which may result from the use of its products. The customer is cautioned to thoroughly evaluate these products by his own tests prior to large scale use.

Eltringham Works · Prudhoe
Northumberland NE42 6LP
Telephone (0661) 32411
Telex 537979 Waxoyl G
Fax (0661) 35906



Registered in England Number 249915

Hunting Petroleum Services PLC