

HEALTH & SAFETY DATA SHEET
TECHNICAL PAINT SERVICES
MSDS 100K11B

1. IDENTIFICATION OF THE PRODUCT: TWO PACK ETCH PRIMER BASE (to be used in conjunction with catalyst).

PRODUCT NAME: UP89 & UP90.

USE: As a primer for aluminium and alloys.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANONE	201-159-0	78-93-3	30-60%	F;R11 Xi;R36 R66 R67
PROPAN-2-OL	200-661-7	67-63-0	30-60%	F;R11 Xi;R36 R67
ZINC TETRAOXYCHROMATE	256-418-0	49663-84-5	10-30%	Carc 1;R45. Xn;R22. N;R51/53. R43.

3. HAZARDS IDENTIFICATION

HIGHLY FLAMMABLE. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to eyes. May cause sensitisation by skin contact. May cause cancer. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Carc 1;R45. Xi;R36. R43. F;R11. R52/53, R66, R67.

ENVIRONMENT

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Remove affected person from source of contamination. Get medical attention immediately. Remove contaminated clothing. Wash the skin immediately with soap and water.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Absorb spillage with non-combustible, absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
BUTANONE	WEL	200 ppm(Sk) 600 mg/m3(Sk)	300 ppm(Sk) 899 mg/m3(Sk)	-
PROPAN-2-OL	WEL (WEL = Workplace Exposure Limit.)	400 ppm 999 mg/m3	500 ppm 1250 mg/m3	-

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



Protective Gloves, Eye Goggles/Protection.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. In case of inadequate ventilation, use air-supplied full-mask.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
ODOUR	Odour of alcohol		
SOLUBILITY	Partly miscible with water		
BOILING POINT (°C)	79-119 760 mm Hg	RELATIVE DENSITY	0.9 - 1.0 @ 20°c
VAPOUR DENSITY (air=1)	>1	VOLATILE BY VOL. (%)	85
VISCOSITY	800-1220 cps @ 25°c	FLASH POINT (°C)	0 CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%)	0.8	VOLATILE ORGANIC COMPOUND (VOC)	<680 g/litre

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid exposing to heat and contact with strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

INHALATION

Gas or vapour is harmful on prolonged exposure or in high concentrations. Contains a substance which may cause cancer by inhalation. Vapours may cause drowsiness and dizziness.

INGESTION

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Contains a substance which can cause cancer by ingestion.

SKIN CONTACT

May cause sensitisation by skin contact. Contains a substance which may cause cancer by skin contact. Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Irritating to eyes.

TARGET ORGANS

Skin. Eyes. Respiratory system, lungs.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION



UK ROAD CLASS	3	UK ROAD PACK GR.	II
PROPER SHIPPING NAME	PAINT	ADR CLASS	Class 3: Flammable liquids.
UN NO. ROAD	1263	HAZARD No. (ADR)	33
ADR CLASS NO.	3	HAZCHEM CODE	3YE
ADR PACK GROUP	II	RID CLASS NO.	3
ADR LABEL NO.	3	UN NO. SEA	1263
CEFIC TEC(R) NO.	30GF1-I+II, 30GF1-sp	IMDG PACK GR.	II
RID PACK GROUP	II	MARINE POLLUTANT	No.
IMDG CLASS	3	AIR CLASS	3
EMS	F-E, S-E		
UN NO. AIR	1263		
AIR PACK GR.	II		

15. REGULATORY INFORMATION

LABELLING		
	TOXIC	HIGHLY FLAMMABLE

CONTAINS ZINC TETRAOXYCHROMATE

RISK PHRASES

R11	Highly flammable.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
R45	May cause cancer.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S53	Avoid exposure - obtain special instructions before use.
S60	This material and its container must be disposed of as hazardous waste.
P11	Restricted to professional users.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Control of Substances Hazardous to Health Regulations 2002 (as amended)

16. OTHER INFORMATION

RISK PHRASES IN FULL

R11	Highly flammable.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
R45	May cause cancer.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

REFERENCE DOCUMENTS

STATUTORY

Air Navigation (Dangerous Goods) Regulations
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations as amended
Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations
Consumer Protection Act 1987
Control of Lead at Work Regulations 1998
Control of Pollution (Amendment) Act 1989
Control of Substances Hazardous to Health Regulations
Dangerous Goods Safety Advisor Regulations
Environment Act 1995
Environmental Protection (Duty of Care) Regulations
Environmental Protection Act 1990
Factories Act 1961
Fire Precautions Act 1971
Hazardous Waste (England and Wales) Regulations
Health and Safety at Work Act 1974
International Rail/Road Transport -RID and ADR (Current editions)
List of Wastes (England) Regulations
Management of Health and Safety at Work Regulations 1999
Manual Handling Regulations 1992
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations
Personal Protective Equipment at Work Regulations 1992
Provision and Use of Work Equipment Regulations
Waste Management Licensing Regulations

APPROVED CODES OF PRACTICE

ACOP - Control of Lead at Work (ACOP 2) - HSE Books
ACOP - Control of Substances Hazardous to Health/Control of Carcinogenic Substances- HSE Books
ACOP - Waste Management - The Duty of Care

HEALTH AND SAFETY EXECUTIVE

GUIDANCE NOTES

HS(G)37 - An Introduction to Local Exhaust Ventilation
EH40 - Workplace Exposure Limits
EH44 - Dust: General Principles of Protection
HS(G)53 - The Selection, Use and Maintenance of RPE
HS(G)71 - Storage of Packaged Dangerous Substances
HS(G)140 - Safe Use and Handling of Flammable Liquids
HS(G)193 - COSHH Essentials: easy steps to control chemicals
L23 - Manual Handling: Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

BS4275 - Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment
EN166 - Personal eye protection - specifications
EN420 - General requirements for gloves

LEAD IN PREVIOUSLY PAINTED SURFACES

When surfaces are to be prepared for painting, account must be taken of the age of the property and the possibility that lead pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause adverse health effects.

As a working rule you should assume that this will be the case if the age of the property is pre 1960. Where possible, wet flattening or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry flattening cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the occupational hygiene (COSHH) assessment, taking into account the occupational hygiene exposure standard for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area. Extra precautions will need to be taken when burning off old lead based paints as fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the occupational hygiene (COSHH) assessment.

The Code of Practice for the Control of Lead at Works (reference ISBN 07176 1506 5 1998) should be consulted for advice on protective clothing and personal hygiene precautions.

Care should be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by the professional painting contractor as Hazardous Waste, with the relevant documentation under the Hazardous Waste Regulations, The Environmental Protection (Duty of Care) Regulations, The Controlled Waste (Registration of Carriers and Seizure of Vehicles) Regulations and the Waste Management Licensing Regulations.

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application.

HEALTH & SAFETY DATA SHEET
TECHNICAL PAINT SERVICES
MSDS 100K11 C

1. IDENTIFICATION OF THE PRODUCT: TWO PACK ETCH PRIMER CATALYST.

PRODUCT NAME: UC89 & UC90.

USE: Use with base component UP89 and UP90.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANOL-norm	200-751-6	71-36-3	80-100%	R10 Xn;R22 Xi;R37/38, R41 R67
PHOSPHORIC ACID...%	231-633-2	7664-38-2	5-10%	C;R34
PROPAN-2-OL	200-661-7	67-63-0	5-10%	F;R11 Xi;R36 R67

The full text for all R-Phrases are displayed in Section 16.

3. HAZARDS IDENTIFICATION

FLAMMABLE. HARMFUL IF SWALLOWED. Risk of serious damage to eyes. Irritating to respiratory system and skin. Vapours may cause drowsiness and dizziness.

CLASSIFICATION Xn;R22. Xi;R37/38, R41. R10, R67.

ENVIRONMENT

The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS

Heating will generate vapours which may form explosive vapour/air mixtures.

4. FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital. Bring these instructions. May cause permanent damage if eye is not immediately irrigated.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

SPECIFIC HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m ³ (Sk)
PHOSPHORIC ACID ...%	WEL		1 mg/m ³		2 mg/m ³
PROPAN-2-OL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



Protective Gloves, Eye Goggles/Protection.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with: Gas cartridge suitable for organic substances.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
ODOUR	Odour of alcohol		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	82-173 @ 760 mm Hg	RELATIVE DENSITY	0.825 - 0.867 @ 20°c
VOLATILE BY VOL. (%)	>95	FLASH POINT (°C)	28 Sh CC (Setaflash Closed cup).
VOLATILE ORGANIC COMPOUND (VOC)	<780 g/litre		

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid exposing to heat and contact with strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

INHALATION

Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

INGESTION

Harmful if swallowed. May cause nausea, headache, dizziness and intoxication.

SKIN CONTACT

Prolonged or repeated exposure may cause severe irritation.

EYE CONTACT

Extreme irritation of eyes and mucous membranes, including burning and tearing. Risk of serious damage to eyes.

TARGET ORGANS

Skin. Eyes. Respiratory system, lungs.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION



UK ROAD CLASS	3	UK ROAD PACK GR.	III
PROPER SHIPPING NAME	PAINT RELATED MATERIAL	ADR CLASS	Class 3: Flammable liquids.
UN NO. ROAD	1263	HAZARD No. (ADR)	30
ADR CLASS NO.	3	HAZCHEM CODE	3YE
ADR PACK GROUP	III	RID CLASS NO.	3
ADR LABEL NO.	3	UN NO. SEA	1263
CEFIC TEC(R) NO.	30GF1-III, 30GF1-sp	IMDG PACK GR.	III
RID PACK GROUP	III	MARINE POLLUTANT	No.
IMDG CLASS	3	AIR CLASS	3
EMS	F-E, S-E		
UN NO. AIR	1263		
AIR PACK GR.	III		

15. REGULATORY INFORMATION



LABELLING

HARMFUL

CONTAINS BUTANOL-norm

RISK PHRASES

R10	Flammable.
R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Control of Substances Hazardous to Health Regulations 2002 (as amended)

16. OTHER INFORMATION

RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.

REFERENCE DOCUMENTS

STATUTORY

Air Navigation (Dangerous Goods) Regulations
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations as amended
Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations
Consumer Protection Act 1987
Control of Lead at Work Regulations 1998
Control of Pollution (Amendment) Act 1989
Control of Substances Hazardous to Health Regulations
Dangerous Goods Safety Advisor Regulations
Environment Act 1995
Environmental Protection (Duty of Care) Regulations
Environmental Protection Act 1990
Factories Act 1961
Fire Precautions Act 1971
Hazardous Waste (England and Wales) Regulations
Health and Safety at Work Act 1974
International Rail/Road Transport -RID and ADR (Current editions)
List of Wastes (England) Regulations
Management of Health and Safety at Work Regulations 1999
Manual Handling Regulations 1992
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations
Personal Protective Equipment at Work Regulations 1992
Provision and Use of Work Equipment Regulations
Waste Management Licensing Regulations

APPROVED CODES OF PRACTICE

ACOP - Control of Lead at Work (ACOP 2) - HSE Books
ACOP - Control of Substances Hazardous to Health/Control of Carcinogenic Substances- HSE Books
ACOP - Waste Management - The Duty of Care

HEALTH AND SAFETY EXECUTIVE

GUIDANCE NOTES

HS(G)37 - An Introduction to Local Exhaust Ventilation
EH40 - Workplace Exposure Limits
EH44 - Dust: General Principles of Protection
HS(G)53 - The Selection, Use and Maintenance of RPE
HS(G)71 - Storage of Packaged Dangerous Substances
HS(G)140 - Safe Use and Handling of Flammable Liquids
HS(G)193 - COSHH Essentials: easy steps to control chemicals
L23 - Manual Handling: Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

BS4275 - Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment
EN166 - Personal eye protection - specifications
EN420 - General requirements for gloves

LEAD IN PREVIOUSLY PAINTED SURFACES

When surfaces are to be prepared for painting, account must be taken of the age of the property and the possibility that lead pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause adverse health effects.

As a working rule you should assume that this will be the case if the age of the property is pre 1960. Where possible wet flattening or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry flattening cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the occupational hygiene (COSHH) assessment, taking into account the occupational hygiene exposure standard for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area. Extra precautions will need to be taken when burning off old lead based paints as fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the occupational hygiene (COSHH) assessment.

The Code of Practice for the Control of Lead at Works (reference ISBN 07176 1506 5 1998) should be consulted for advice on protective clothing and personal hygiene precautions.

Care should be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by the professional painting contractor as Hazardous Waste, with the relevant documentation under the Hazardous Waste Regulations, The Environmental Protection (Duty of Care) Regulations, The Controlled Waste (Registration of Carriers and Seizure of Vehicles) Regulations and the Waste Management Licensing Regulations.

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application.