



SAFETY DATA SHEET

Universal Etch Primer for Metals

This Safety Data Sheet is prepared in accordance with Annex II to Regulation (EC) No 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Universal Etch Primer for Metals
Product No. UEPM

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses An air-drying, liquid solvent-borne primer for industrial and professional use. For metal finishing, apply by manual spray, or brush/roller for small areas. This product may be force dried (50-100°C).

1.3. Details of the supplier of the safety data sheet

Supplier Magic Bullet Products Ltd
 Unit B, Marlborough Court
 Bennerley Road
 Blenheim Industrial Estate
 Nottingham
 NG6 8UY
 0115 9755555
 0115 9757005
 perry@magicbulletproducts.com
 Perry Wilshire (Director)

Contact Person

1.4. Emergency telephone number

Members of the public should contact:
 In England and Wales: NHS Direct 0845 4647
 In Scotland: NHS24 08454 24 24 24
 In Republic of Ireland: 01 809 2166
 Magic Bullet Products Ltd. 0115 9755555 may also be contacted (Office hours only)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R22. Xi;R37/38, R41. F;R11. R52/53, R67.

Human health

The liquid may irritate the skin, the eyes and the respiratory tract.

Environment

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

Physical and Chemical Hazards

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

2.2. Label elements

Labelling



Harmful



Highly flammable

Risk Phrases

R11	Highly flammable
R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

Universal Etch Primer for Metals

Safety Phrases

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S33	Take precautionary measures against static discharges.
S23	Do not breathe vapour/spray.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S24/25	Avoid contact with skin and eyes.
S37/39	Wear suitable gloves and eye/face protection.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P14	Contains FORMALDEHYDE ...%. May produce an allergic reaction.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

PROPAN-2-OL	10 - 25%
CAS-No.: 67-63-0	EC No.: 200-661-7
Registration Number: 01-2119457558-25	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67
ETHANOL	10 - 25%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
BUTANOL-norm	10 - 25%
CAS-No.: 71-36-3	EC No.: 200-751-6
Registration Number: 01-2119484630-38-xxxx	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336	Classification (67/548/EEC) R10 Xn;R22 Xi;R37/38,R41 R67
1-METHOXY-2-PROPANOL	1 - 5%
CAS-No.: 107-98-2	EC No.: 203-539-1
Registration Number: 01-2119457435-35-xxxx	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H336	Classification (67/548/EEC) R10 R67

Universal Etch Primer for Metals

ZINC BORATE		1 - 2.5%
CAS-No.: 51201-70-8	EC No.:	
Classification (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) N;R50/53.	
ISO-BUTANOL		1 - 5%
CAS-No.: 78-83-1	EC No.: 201-148-0	Registration Number: 01-2119484609-23
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336	Classification (67/548/EEC) R10 Xi;R37/38,R41 R67	
METHANOL		1 - 2.9%
CAS-No.: 67-56-1	EC No.: 200-659-6	Registration Number: 01-2119433307-44
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25	
PHENOL		0.1 - 1%
CAS-No.: 108-95-2	EC No.: 203-632-7	
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Muta. 2 - H341 STOT Rep. 2 - H373	Classification (67/548/EEC) Muta. Cat. 3;R68 T;R23/24/25 C;R34 Xn;R48/20/21/22	
FORMALDEHYDE ...%		0.1 - 1%
CAS-No.: 50-00-0	EC No.: 200-001-8	
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Carc. 2 - H351 STOT Single 3 - H335	Classification (67/548/EEC) Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Ingredient notes

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

Universal Etch Primer for Metals

Composition Comments

The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
If unconscious place in recovery position and seek medical advice.

Inhalation

Remove to fresh air, keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Keep at rest. Do NOT induce vomiting.

Skin contact

Remove contaminated clothing.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners.

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation.

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Ingestion

Ingestion may cause nausea, diarrhoea and vomiting.

Skin contact

Prolonged or repeated contact with skin may cause soreness, irritation or dry skin due to a defatting action.

Eye contact

The liquid splashed in the eyes may cause irritation and reversible damage.

4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

recommended: alcohol resistant foam, CO2, powders, water spray/mist

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Fire will produce dense black smoke.
Exposure to decomposition products may cause a health hazard.
Appropriate breathing apparatus may be required.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Cool closed containers exposed to fire with water.
Do not allow run-off from fire fighting to enter drains or water courses.

Protective equipment for fire-fighters

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area.
Avoid breathing vapours.
Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Universal Etch Primer for Metals

Do not allow to enter drains or watercourses.

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

For personal protection, see section 8. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

The Manual Handling Operations Regulations may apply to the handling of containers of this product.

To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in Section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Operators should wear anti-static footwear and clothing and floors should be of the conducting type.

Isolate from sources of heat, sparks and open flame.

Non-sparking tools should be used.

Avoid skin and eye contact.

Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture.

Avoid inhalation of dust from sanding.

Smoking, eating and drinking should be prohibited in application area.

For personal protection see Section 8.

Never use pressure to empty: container is not a pressure vessel.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or water courses.

Wash hands before eating and before leaving the site.

Remove contaminated clothing and protective equipment before entering eating areas.

Information on fire and explosion protection.

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR.

The principles contained in the HSE guidance note Chemical Warehousing: The Storage of Packaged Dangerous Substances, should be observed when storing this product.

Notes on joint storage.

Store away from oxidising agents, from strongly alkaline and strongly acid materials as well of amines, alcohols and water.

Additional information on storage conditions

Observe label precautions.

Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep container tightly closed.

Keep away from sources of ignition.

No smoking.

Prevent unauthorised access.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Universal Etch Primer for Metals

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1-METHOXY-2-PROPANOL	WEL	100 ppm(Sk)	375 mg/m3(Sk)	150 ppm(Sk)	560 mg/m3(Sk)	
BUTANOL-norm	WEL			50 ppm	154 mg/m3	Sk
ETHANOL	WEL	1000 ppm	1920 mg/m3			
FORMALDEHYDE ...%	WEL	2 ppm	2.5 mg/m3	2 ppm	2.5 mg/m3	
ISO-BUTANOL	WEL	50 ppm	154 mg/m3	75 ppm	231 mg/m3	Sk
METHANOL	WEL	200 ppm	266 mg/m3	250 ppm	333 mg/m3	Sk
PHENOL	WEL	2 ppm(Sk)				
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

Ingredient Comments

According to EH40 - List of approved workplace exposure limits.

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

If local exhaust ventilation and good general extraction are not sufficient to maintain concentrations of solvent vapour below the OEL, suitable respiratory protection must be worn.

Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

See Respiratory Equipment below.

Respiratory equipment

Air-fed protective respiratory equipment should be worn by spray operators even when good ventilation is provided.

In other operations, if local exhaust ventilation and good general extraction are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling, use chemically resistant gloves made of Viton.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Skin protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Environmental Exposure Controls

Refer to the Environmental Protection Act and the Control of Pollution Act. Do not allow to enter drains or water courses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Universal Etch Primer for Metals

9.1. Information on basic physical and chemical properties

Appearance	Thin liquid.
Colour	Various
Odour	Pungent.
Solubility	Partially miscible with water.
Initial boiling point and boiling range	79 - 122°C 760 mm Hg
Relative density	0.85 - 0.95 20°C
Vapour density (air=1)	Heavier than air
Vapour pressure	0.6 - 1.2 kPa 21°C
pH-Value, Conc. Solution	Not determined.
Flash point (°C)	0 - 21°C Sh CC (Setaflash closed cup).
Auto Ignition Temperature (°C)	270 - 360°C
Flammability Limit - Lower(%)	1.4
Flammability Limit - Upper(%)	12

9.2. Other information

Volatile Organic Compound (VOC)	680 - 700 g/litre
Volatile Organic Compound (VOC)	72 - 78 g/100 g

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage and handling conditions (see section 7).
When exposed to high temperatures may produce hazardous decomposition products.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).
In a fire, hazardous decomposition products may be produced.

10.3. Possibility of hazardous reactions

Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible materials

Materials To Avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions

10.6. Hazardous decomposition products

such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General information

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 3 for details.

Formaldehyde is released during the curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitisation

Inhalation

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Ingestion

Ingestion may cause nausea, diarrhoea and vomiting.

Skin contact

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Universal Etch Primer for Metals

Eye contact

Irritating and may cause redness and pain. The liquid splashed in the eyes may cause irritation and reversible damage.

Medical Symptoms

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin.

Medical Considerations

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details. The product should not be allowed to enter drains or water courses.

12.1. Toxicity

Acute Fish Toxicity

There is no toxicity data for this product.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not allow to enter drains or water courses.

13.1. Waste treatment methods

Waste and emptied containers are controlled wastes and should be disposed of in accordance with The Environment Protection (Duty of Care) Regulations" (in England, Scotland, Wales) or The Controlled Waste (Duty of Care) Regulations (in Northern Ireland).

Waste Class

The European Waste Catalogue classification of this product, when disposed of as waste is:

Waste Code: Name of Waste (according to Directive 2000/532/EC):

08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

Empty containers must be scrapped or reconditioned.

Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers.

Dispose of empty containers contaminated by the product in accordance with local or national legal provisions.

SECTION 14: TRANSPORT INFORMATION

Air Transport Notes

The information provided in this section may not be valid for transport by Air. Please call the number in section 1 of this safety data sheet to obtain more information about the transport of this product by air.

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

Universal Etch Primer for Metals

14.3. Transport hazard class(es)

3

ADR Label No. 3

Transport Labels



14.4. Packing group

PG II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Transport within the user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

EMS F-E, S-E

Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

Environmental Listing

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839), TSO.

Hazardous Waste Regulations 2005 (SI 2005:894) and amendments

Statutory Instruments

The Control of Substances Hazardous to Health Regulations 2002(SI 2002:1689) and amendments.

The Dangerous Substances & Explosive Atmospheres Regulations 2002(SI 2002:2776).

The Manual Handling Operations Regulations 1992, (SI 1992:2793)and amendment, The Stationery Office.

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Control of Substances Hazardous to Health (Fifth Edition) (HSE Books L5)

Storage of Dangerous Substances (2003) (HSE Books L135)

Dangerous Substances and Explosive Atmospheres Regulations 2002, (HSE Books L138)

Guidance Notes

The Approved Classification and Labelling Guide, 6th edition.

COSHH Essentials: easy steps to control chemicals, HSG 193. HSE books. Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in this publication.

Chemical Warehousing: Storage of Flammable Liquids in Containers(HSG51), HSE Books.

Storage: Packaged Dangerous Substances HSG71, HSE.

A Guide to Working with Solvents (INDG 272), HSE.

Spraying of Flammable Liquids HSG178

Best Practice Guideline 5 "Safe Use of Gloves (June 2010) published by the European Solvents Industry Group (ESIG) available at www.esig.org/en/library/publications/best-practice-guides

EU Legislation

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.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Universal Etch Primer for Metals

National Regulations

Workplace Exposure Limits 2005 (EH40)

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

The product should not be used for purposes other than those shown in Section 1.

Revision Comments

This is the first issue.

Issued By	Product Steward
Revision Date	20 June 2013
Revision	1.00

Risk Phrases In Full

R34	Causes burns.
R10	Flammable.
R22	Harmful if swallowed.
R48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R11	Highly flammable
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R68	Possible risk of irreversible effects.
R41	Risk of serious damage to eyes.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H370	Causes damage to organs <<Organs>>.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H341	Suspected of causing genetic defects.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Universal Etch Primer for Metals

Disclaimer

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation. , The information of this SDS is based on the present state of our knowledge and on current 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 applications.

The product should not to 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 supplier's control, the user is responsible for ensuring that the requirements or relevant legislation are complied with.

The information in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation.