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MATERIAL SAFETY DATA SHEET

Reference : D360
REVISION : 1
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1. IDENTIFICATION OF PREPARATION

D360 2 PACK ETCH PRIMER

APPLICATION Etching Primer

COMPANY/UNDERTAKING IDENTIFICATION Skycraft Ltd Telephone: 01406 540777
Riverside House
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Saturday Bridge
Holbeach
Lincs PE12 8SR U.K.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS No.	CONTENTS	HEALTH (class)	RISK (R No.)
PROPAN-2-OL.....	67-63-0	30-35%	-	
BUTANOL.....	71-36-3	20-25%	Xn	20
ACETONE.....	67-64-1	20-25%	-	
2-METHOXY -1 - METHYLETHYL	108-65-6	<5%	Xi	36
PHENOL, LIQUEFIED	108-95-2	<1%	T	24/25,34
ETHANOL	64-17-5	<32.7%	-	
ZINC TETROXYCHROMATE		<7%	T	22,43
NON-CLASSIFIED INGREDIENTS		5-10%	-	

3. HAZARDS IDENTIFICATION

Highly Flammable.
Harmful by inhalation.
May cause sensitisation by skin contact.

4. FIRST AID MEASURES

EYES Promptly wash eyes with lots of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

SKIN Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

INHALATION Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not include vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately!

5. FIRE FIGHTING MEASURE

EXTINGUISHING MEDIA	Fire can be extinguished using foam, dry chemicals, sand, dolomite etc. DO NOT use water if avoidable.
SPECIAL FIRE FIGHTING PROCEDURES	Use water SPRAY only to cool containers! Do not put water on leaked material. Move container from fire area if it can be done without risk.
UNUSUAL FIRE & EXPLOSION HAZARDS	May explode in a fire.
HAZARDOUS DECOMPOSITION PRODUCTS	Fire creates carbon dioxide (CO ₂), carbon monoxide (CO)

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS	Clean-up personnel should use respiratory and/or liquid contact protection. Ventilate well, stop flow of gas or liquid if possible. Remove ignition sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.
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7. STORAGE AND HANDLING

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. To be used in approved spray booths. Lighting, heating and electrical equipment must be flame proof in, accordance with current standards as laid down in the Electricity. Regs 1991.
STORAGE PRECAUTIONS	Keep in cool, dry, ventilated storage and closed containers. This product contains solvents which must be stored in compliance with the Highly Flammable Liquids Regulations 1972.
STORAGE CRITERIA	Flammable liquid storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT NAME	CAS No.	STD	LT EXP (8 hrs)	ST EXP (15 min)
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm
BUTANOL	71-36-3	OES	No std.	50 ppm (Sk)
ACETONE	67-64-1	OES	750 ppm	1500 ppm
PHENOL, LIQUEFIED	108-95-2	OES	5 ppm (Sk)	10 ppm (Sk)
ETHANOL	64-17-5	OES	1000 ppm	No std.

VENTILATION	Provide adequate general and local exhaust ventilation.
RESPIRATORS	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Expose Level (OEL).
PROTECTIVE GLOVES	Chemical resistant gloves required for prolonged or repeated contact.
EYE PROTECTION	Wear approved safety goggles.
OTHER PROTECTION	Provide eyewash station.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOUR:	varying	APPEARANCE:	liquid
FLASH POINT:	<23° C	FLASH POINT METHOD:	CC (Closed cup)

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10. STABILITY AND REACTIVITY

STABILITY Avoid heat, sparks, flames, moisture.
MATERIALS TO AVOID Strong oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS Fire creates carbon dioxide (CO₂), carbon Monoxide (CO)

11. TOXICOLOGICAL INFORMATION

HEALTH WARNINGS Gas/Vapour is harmful on prolonged exposure or in high concentration. Irritant of eyes and mucous membranes.
MEDICAL SYMPTOMS Severe skin irritation. Nausea, vomiting. Drowsiness, dizziness, disorientation, vertigo.
ACUTE AND CHRONIC HEALTH HAZARDS Repeated exposure may cause chronic eye irritation. Anaemia. Liver and/or kidney damage.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS Must be disposed of as a Special Waste.

14. TRANSPORT INFORMATION

ROAD:
UN No: 1263 ADR CLASS: 3
ADR ITEM NO: 3b ADR HAZARD No:
33 Highly flammable liquid (flash-point below 23° C).

LABEL FOR CONVEYANCE:



AIR:
UN AIR: 1263 AIR TRANSPORT CLASS No: 3
AIR PACK GR: II
SEA:
UN SEA: 1263 SEA TRANSPORT CLASS No: 3.1
IMCO LABEL: 3

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



HIGHLY FLAMMABLE



HARMFUL

RISK PHRASES: R-11 Highly flammable
R-20 Harmful by inhalation
R-43 May cause sensitisation by skin contact

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SAFETY PHRASES: S-2 Keep out of the reach of children.
S-16 Keep away from sources of ignition - No Smoking.
S-24 Avoid contact with skin.
S-37 Wear suitable gloves.
S-46 If swallowed seek medical advice immediately and show this container or label.
S-51 Use only in well ventilated areas.
S-23 Do not breath gas/fumes/vapour/spray.

UK REGULATORY REFERENCES

Highly Flammable Liquid Regulations 1972.
Health and Safety at Work Act 1974.
The Control of Substances Hazardous to Health Regulations 1988.
Chemicals (Hazard Information & Packaging) Regs. 1994.

UK ENVIRONMENTAL LISTINGS

Control of Pollution (Special Waste Regulations) Act 1980.

EU DIRECTIVES

Substances Directive 67/548/EEC as amended by
69/81/EEC, 70/189/EEC, 73/146/EEC, 75/409/EEC, 79/831/EEC
General Preparations Directive 88/379/EEC

STATUTORY INSTRUMENTS

The Health and Safety at Work etc. Act 1974

CODE OF PRACTICE

The Control of Substances Hazardous to Health

GUIDANCE NOTES

Occupational Exposure Limits EH40

16. OTHER INFORMATION

INFORMATION SOURCES: Dangerous Properties of Industrial Materials Report, N.Sax et.al.
Dangerous Properties of Industrial Chemicals, 5.edition, N.Sax, 1979.
Dangerous Properties of Industrial Chemicals, 6 edition, N.Sax, 1984
Croner's "Emergency Spillage Guide".
Croner's "First Aid Guide".
Croner's "Hazardous Substances Guide".
Croner's "Dangerous Substances".

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