



ENGLISH

Datasheet

Processing Chemical for Photoresist Stripping

RS Stock number 690-855

PHOTORESIST STRIPPER PC 155 (600-019)

Part No: 600-019 - 1 litre
600-019-5 - 25 litres
1 litre concentrate make 5 litres

Description

A Photoresist Stripper concentrate to make 5 litres of working solution to strip photoresist from Fotoboard, FPC-16 and other alkaline processed resists

Preparation

Mix 1 litre concentrate with 4 litres of tap water

Usage

Use in a Mega temperature controlled PCB processing tank at 45 – 50°C. The Photoresist should strip from the copper in 2 – 3 minutes, depending on age of the solution and how much use it has had.

Health and Safety

Full Health and Safety details are on the rear of this instruction sheet. A report by an occupational hygienist concluded that under the test conditions, **NO LOCAL VENTILATION IS REQUIRED** using this etchant in Mega's PCB processing tanks. A copy of this report is available upon request.

Associated Products

A range of associated products for use with this etchant are featured in our free product catalogue. Please telephone us for your free copy

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The information and recommendations contained herein are believed to be accurate – However no guarantee or warranty expressed or implied is given.

SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

NAME: PHOTORESIST STRIPPER **PART NO:** 600-019
12-15061

MANUFACTURER'S/SUPPLIERS NAME, REGISTERED ADDRESS AND EMERGENCY TEL NO
MEGA ELECTRONICS LTD
THE GRIP INDUSTRIAL ESTATE
LINTON
CAMBRIDGE CB1 6NR
TEL NO: +44 (0) 1223 893900

ORGANISATIONS NAME & ADDRESS AT WHICH MANUFACTURED

GRAMOS CHEMICALS INT. LTD
WILLIAMS STREET
WEST BROMWICH
WEST MIDLANDS
B70 0BE

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	%BY WT	CAS & EEC Nos:	HAZARD	R PHRASE
MONOETHANOLAMINE	25	141-53-5 205-483-3	Xn	NOS- 20/21/22
BUTOXYETHANOL	65	111-76-2 203-905-0		36/37/38

SECTION 3 HAZARDS IDENTIFICATION

HARMFUL. HARMFUL BY INGESTION. IRRITATING TO EYES AND RESPIRATORY SYSTEM. AVOID CONTACT WITH SKIN AND EYES

SECTION 4 FIRST AID MEASURES

INHALATION: REMOVE FROM EXPOSURE. REST AND KEEP WARM. IF EXPOSURE HAS BEEN GREAT OBTAIN MEDICAL ATTENTION

SKIN CONTACT: WASH THOROUGHLY WITH AMPLE SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. UNLESS CONTACT HAS BEEN SLIGHT OBTAIN MEDICAL ATTENTION

EYE CONTACT: IRRIGATE THOROUGHLY WITH WATER FOR AT LEAST 10 MINUTES. OBTAIN MEDICAL ADVICE.

INGESTION: WASH OUT MOUTH THOROUGHLY WITH WATER AND GIVE PLENTY OF WATER TO DRINK. OBTAIN MEDICAL ATTENTION.

MEDICAL NOTES: NONE

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
FOAM, DRY POWDER.

COMBUSTION PRODUCTS: N/A

FIRE/EXPLOSION SCENARIOS: N/A
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: N/A

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION
WEAR RESPIRATORY PROTECTION. PREVENT SKIN AND EYE CONTACT.

ENVIRONMENTAL PRECAUTIONS
AVOID ENTRY INTO DRAINAGE SYSTEM AND EARTH.

WORKPLACE PRECAUTIONS
DO NOT EAT, DRINK OR SMOKE

METHODS FOR CLEARING UP
ABSORB IN SAND OR OTHER INERT MATERIAL AND PUT INTO SUITABLE CONTAINER FOR DISPOSAL.

SECTION 7 HANDLING AND STORAGE

HANDLING PRECAUTIONS
HARMFUL IF SWALLOWED, IN CONTACT WITH SKIN AND BY INHALATION.

ALWAYS WEAR SUITABLE PROTECTIVE CLOTHING. IF USED ACCORDING TO INSTRUCTIONS NO LOCAL EXHAUST VENTILATION IS REQUIRED

STORAGE INCLUDING ANY SPECIAL REQUIREMENTS (TEMPERATURE, VENTILATION, ETC) STORE IN A COOL DRY PLACE. DO NOT STORE WITH ACIDS OR OXIDISING MATERIALS.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS/VENTILATION
NO LOCAL EXHAUST VENTILATION REQUIRED IF USED ACCORDING TO INSTRUCTIONS

RESPIRATORY PROTECTION

WEAR PROTECTIVE MASK

EYE PROTECTION: WEAR SAFETY GOGGLES

HAND PROTECTION

WEAR PROTECTIVE RUBBER/VINYL GLOVES

SKIN PROTECTION

ALWAYS OBSERVE ALL USUAL PRECAUTIONS WHEN HANDLING CHEMICALS. DO NOT EAT, DRINK OR SMOKE WHEN HANDLING.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: LIQUID **COLOUR:** CLEAR
ODOUR: ETHEREAL **ACIDITY/ALKALINITY pH:** 12
BOILING POINT: 100°C **MELTING POINT °C:**
FLASH POINT (Open/Closed Cup) 75 (CLOSED CUP)
AUTOIGNITION TEMP °C
THERMAL DECOMPOSITION °C:OXIDISING PROPERTIES:

EXPLOSIVE PROPERTIES:

EXPLOSIVE LIMITS AT at 25°C (% VOL IN AIR)

LOWER: **UPPER**

RELATIVE DENSITY: SOLID CONTENT %:

SOLUBILITY IN WATER: **SOLUBILITY IN ORGANIC SOLVENTS**

VOLATILE CONTENT

VAPOUR PRESSURE mmHg at 20°C

RELATIVE VAPOUR DENSITY (air = 1):
(of principle component and name): 17.5

EVAPORATION RATE

(n-butyl acetate = 1):

CONDUCTIVITY:**SECTION 10 STABILITY AND REACTIVITY PROPERTIES**

CONDITIONS TO AVOID:

MATERIALS TO AVOID

AVOID CONTACT WITH STRONG OXIDANTS

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERISATION - MAY/WILL/NOT occur - State condition to avoid. WILL NOT OCCUR.

SECTION 11 TOXICOLOGICAL INFORMATION

EFFECT OF EYE CONTACT:
IRRITATION LEADING TO WATERING AND BLURRED VISION

EFFECT OF SKIN CONTACT:
LD50 2050mg/Kg. IRRITATION FOLLOWED BY DRYING OF THE SKIN.

EFFECT OF INHALATION
LC50 2.4mg/litre. IRRITATION OF THE MUCOUS MEMBRANE AND DIZZINESS

EFFECT OF INGESTION

Any known data on sensitisation carcinogenicity, mutagenicity, teratogenicity, or narcosis NO EVIDENCE.

SECTION 12 ECOLOGICAL INFORMATION**SECTION 13 DISPOSAL CONSIDERATIONS**

THE PREPARATION SHOULD BE DISPOSED OF ACCORDING TO LOCAL GOVERNMENT REGULATIONS VIA AUTHORISED WASTE DISPOSAL AGENCIES.

SECTION 14 TRANSPORT INFORMATION

UN-Nr: 2491 IATA CLASS: 8 PACKING GRP: III IMDG-Nr: 8169
IMDG CLASS: 8

SECTION 15 REGULATORY INFORMATION

PRODUCT LABEL DETAILS - PER CHIP REGULATION 9
PRODUCT TRADE NAME/DESIGNATION: PHOTORESIST STRIPPER
CONTAINS: MONOETHANOLAMINE 25%
2-BUTOXYETHANOL 65

HAZARD SYMBOL: Xn

RISK PHRASE NOs & WORDS:

R20/21/22 HARMFUL BY INHALATION. HARMFUL IN CONTACT WITH SKIN.
HARMFUL IF SWALLOWED.
R36/37/38 IRRITATING TO EYES. IRRITATING TO RESPIRATORY SYSTEM.
IRRITATING TO SKIN

SAFETY PHRASE NOs & WORDS:

S24/25 AVOID CONTACT WITH SKIN. AVOID CONTACT WITH EYES.