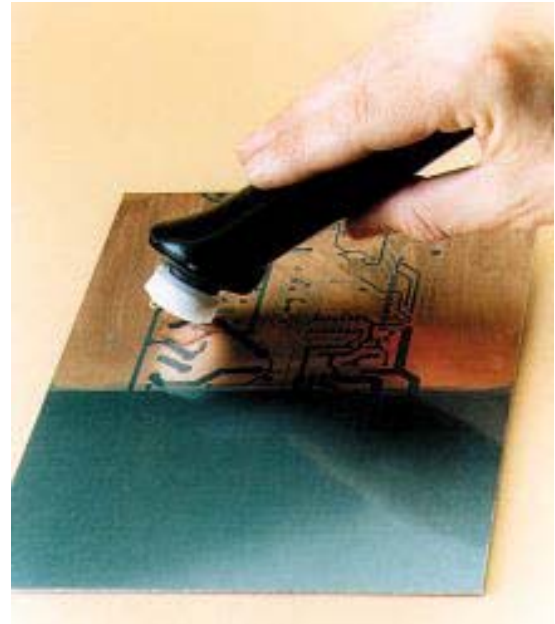


Seno Applicators

The Seno applicators offer a safe, clean and efficient alternative to processing in trays. Each applicator contains safe ready to use PCB chemistry. All work at room temperature, the chemistry being completely sealed in a container terminated by a sponge with a valve mechanism which dispenses precisely the right amount on each board. When not in use the sponge is protected by a cap. All applicators are waste free and when exhausted can be disposed of without the need for any special precautions. Each applicator contains safe to use chemistry and there is no need for special precautions when using them. The developers for instance being totally free from Sodium Hydroxide. Each applicator has a shelf life of at least two years. With the exception of etching the complete range of PCB processing sequence can be carried out with the applicators.



13-2011

A universal developer applicator which develops all alkaline positive working resists.

13-2012

Resist strip applicator, quickly removes all remaining Photoresist from etched boards.

13-2013

A flux applicator which applies a protective lacquer to a clean etched circuit, preventing any further oxidation. Lacquer also acts as an excellent solder flux.

THE FOLLOWING PRODUCTS ARE ALSO AVAILABLE ON REQUEST.

Photoresist Applicator

Photoresist applicator. Easy to apply, very quick drying positive working Photoresist for applying to uncoated laminates.

Soft Developer

Soft developer. As SN110 but weaker in strength making it ideal for use with freshly applied resists such as that contained in the SN100.

De Ox Applicator

De-Ox applicator, removes all oxidation from the etched copper circuit.

Flux Applicator

A flux applicator which applies a protective lacquer to a clean etched circuit, preventing any further oxidation. Lacquer also acts as an excellent solder flux.





Unit 25 Solent Ind. Estate Shamblehurst Lane Hedge End Southampton
Hants : SO30 2FY . Tel No.: 01489 776930 Fax: 01489-776938
web site: www.verotl.co.uk and www.verodirect.com

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:

SN110 SENO NORMAL DEVELOPER APPLICATOR PART NO: 13-2011
SN120 SENO PHOTORESIST STRIP APPLICATOR PART NO: 13-2012
SN140 SENO FLUX APPLICATOR PART NO: 13-2013

SAFETY DATA SHEETS ARE NOT NECESSARY FOR THESE PRODUCTS BECAUSE THESE PRODUCTS ARE NOT REGARDED AS DANGEROUS SUBSTANCES OR PREPARATION AS OF THE RELATED EC DIRECTIVES.

MANUFACTURER'S/SUPPLIERS NAME, REGISTERED ADDRESS AND EMERGENCY TEL NO:

MEGA ELECTRONICS LTD.,
THE GRIP INDUSTRIAL ESTATE,
LINTON, CAMBRIDGE.
ENGLAND, CB21 4XN.
TELEPHONE: +0044 01223 893900

ORGANISATIONS NAME & ADDRESS AT WHICH MANUFACTURED

KEPETS GmbH
NORDSTRASSE 24
D-6331 SCHOEFFENGRUND 2
GERMANY

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT %BY WT CAS & EEC Nos: HAZARD R PHRASE NOS:

SECTION 3 HAZARDS IDENTIFICATION

SECTION 4 FIRST AID MEASURES

INHALATION: NO HAZARD
SKIN CONTACT: WASH THOROUGHLY WITH WATER
EYE CONTACT: WASH THOROUGHLY WITH WATER.
INGESTION: NO ACUTE TOXICITY

MEDICAL NOTES:

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA NON HAZARDOUS
FIRE/EXPLOSION SCENARIOS NONE UNUSUAL
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS NONE UNUSUAL

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION REFER TO SECTION 8;

PERSONAL PROTECTION

ENVIRONMENTAL PRECAUTIONS . CHEMICALS CONTAINED ARE USER AND ENVIRONMENT FRIENDLY.

WORKPLACE PRECAUTIONS NONE

METHODS FOR CLEARING UP: MOP UP WITH PLENTY OF WATER AND RUN TO WASTE.

SECTION 7 HANDLING AND STORAGE

HANDLING PRECAUTIONS NONE

STORAGE INCLUDING ANY SPECIAL REQUIREMENTS (TEMPERATURE, VENTILATION, ETC)

STORE IN AN UPRIGHT POSITION, IN A COOL ENVIRONMENT

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS/ VENTILATION N/A

RESPIRATORY PROTECTION N/A

EYE PROTECTION WEAR GOGGLES IF YOU SUFFER FROM EYE INFECTIONS

HAND PROTECTION WEAR GLOVES IF YOU SUFFER FROM SKIN ALLERGIES

SKIN PROTECTION WEAR PROTECTION IF YOU SUFFER FROM SKIN ALLERGIES

ALWAYS OBSERVE ALL USUAL PRECAUTIONS WHEN DEALING WITH CHEMICALS, WHILE WORKING: NEVER EAT, DRINK OR SMOKE.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: LIQUID COLOUR: CLEAR

ODOUR: NONE ACIDITY/ALKALINITY pH:

(Molar aqueous solution)

BOILING POINT 1m1-°C: MELTING POINT °C:

FLASH POINT °C (Open/Closed Cup): AUTOIGNITION TEMP °C:

THERMAL DECOMPOSITION TEMP °C: OXIDISING PROPERTIES:

EXPLOSIVE PROPERTIES:

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

LOWER: UPPER:

RELATIVE DENSITY: SOLID CONTENT %:

SOLUBILITY IN WATER: INSOLUBILITY

VOLATILE CONTENT

VAPOUR PRESSURE mmHg at 20°C RELATIVE VAPOUR DENSITY (air = 1):

(of principle component and name):

EVAPORATION RATE CONDUCTIVITY:

(n-butyl acetate = 1):

SECTION 10 STABILITY AND REACTIVITY PROPERTIES

CONDITIONS TO AVOID: NONE

MATERIALS TO AVOID: NONE

SECTION 11 TOXICOLOGICAL INFORMATION

EFFECT OF EYE CONTACT: NO ACUTE TOXICITY

EFFECT OF SKIN CONTACT: "

EFFECT OF INHALATION: "

EFFECT OF INGESTION: "

LD50 (ORAL HUMAN):

LD50 (ORAL RAT):

LD50 (ORAL MOUSE):

SECTION 12 ECOLOGICAL INFORMATION

Possible environmental effects and behaviour/ODP/aquatic toxicity. EC50 (DAPHNIA): LC50 (FISH): ODP:

SECTION 13 DISPOSAL CONSIDERATIONS

SAFE DISPOSAL OF PRODUCT, ITS RESIDUES AND PACKAGING MATERIALS:

AS ONLY NON HAZARDOUS AND ENVIRONMENTALLY FRIENDLY CHEMICALS ARE USED IN THE PRODUCTION OF SN PRODUCTS, EMPTY CONTAINERS MAY BE DISPOSED OF IN ORDINARY HOUSEHOLD RUBBISH.

SECTION 14 TRANSPORT INFORMATION

SECTION 15 REGULATORY INFORMATION

CONTAINS:

RISK PHRASE NOs & WORDS:

SAFETY PHRASE NOs & WORDS:

OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS: USE ONLY AS DIRECTED.

SECTION 16 OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. THIS COMPANY SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

UPDATED 02/08