

SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

NAME: 4615 DRY FILM DEVELOPER PART NO: 500-162 /163 /164

MANUFACTURER'S/SUPPLIERS NAME, REGISTERED ADDRESS AND

EMERGENCY TEL NO:

MEGA ELECTRONICS LTD.,
THE GRIP INDUSTRIAL ESTATE,
LINTON, CAMBRIDGE.
ENGLAND, CB21 4XN
TELEPHONE: +44 (0) 1223 893900

ORGANISATIONS NAME & ADDRESS AT WHICH MANUFACTURED

PMD LTD
BROADLANE
COVENTRY
WARWICKSHIRE, CV5 7AY
TEL: 0247 646 6691

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	%BY WT	CAS & EEC Nos:	HAZARD	R PHRASE Nos.:
POTASSIUM CARBONATE (non-hazardous surfactants)	10-30%	584-08-7	Xi	R36

SECTION 3 HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin

SECTION 4 FIRST AID MEASURES

INHALATION:

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

SKIN CONTACT:

Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.. Get medical attention if irritation persists after washing.

EYE CONTACT:

Remove victim immediately from source of exposure... 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. Get medical attention if any discomfort continues.

INGESTION:

Remove victim immediately from source of exposure. Rinse mouth thoroughly. Drink plenty of water. Get medical attention..

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use fire-extinguishing media appropriate for surrounding materials

COMBUSTION PRODUCTS: n/a

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: WEAR SELF-CONTAINED BREATHING APPARATUS. PREVENT CONTACT WITH SKIN AND EYES.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS Do not allow run-off to sewer.

METHODS FOR CLEARING UP: DO NOT touch spilled material. Wear necessary protective equipment. Provide ventilation and confine spill. Absorb with inert, damp non-combustible material. Then flush area with water. Inform Authorities if large amounts are involved.

SECTION 7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling. Also skin and eye contact.

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

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

SECTION 8 EXPOSURE CONTROL/ PERSONAL PROTECTION

WEL = Workplace Exposure Limits



PROCESS CONDITIONS

Use engineering controls to reduce air contamination to permissible exposure levels

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Respiratory protection must be used if air contamination exceeds acceptable level

HAND PROTECTION

Use protective gloves

EYE PROTECTION

Wear approved safety goggles

SKIN PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact

HYGIENE MEASURES

DO NOT SMOKE IN THE 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 and water if skin becomes contaminated. When using do not eat, drink or smoke

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR LIQUID **COLOUR:** COLOURLESS

ODOUR: ODOURLESS **ACIDITY/ALKALINITY pH:** (Molar aqueous solution)

BOILING POINT: 100°C **MELTING POINT**

FLASH POINT °C (Open/Closed Cup): NONE **AUTO IGNITION TEMP °C:** NONE

THERMAL DECOMPOSITION TEMP °C: N/A **OXIDISING PROPERTIES:**

EXPLOSIVE PROPERTIES: N/A

EXPLOSIVE LIMITS AT 25°C (% VOL. IN AIR) **LOWER:** **UPPER:**

RELATIVE DENSITY: 1.184 – 1.204 @ 20°C **PH:** >12

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

VOLATILE CONTENT

VAPOUR PRESSURE mm Hg at 20° **RELATIVE VAPOUR DENSITY (air = 1):** (of principle component and name):

EVAPORATION RATE

(n-butyl acetate = 1):

CONDUCTIVITY:

SECTION 10 STABILITY AND REACTIVITY PROPERTIES

STABILITY:

Stable under normal temperature conditions

HAZARDOUS DECOMPOSITION PRODUCTS:

Irritating gases / vapours / fumes of : Carbon Dioxide (CO2)

SECTION 11 TOXICOLOGICAL INFORMATION

EFFECT OF SKIN CONTACT: Irritating to skin.

EFFECT OF INHALATION: May cause irritation to the respiratory system

EFFECT OF INGESTION: May cause discomfort if swallowed.

EFFECT OF EYE CONTACT: Irritating to eyes.

SECTION 12 ECOLOGICAL INFORMATION

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

MOBILITY The product is soluble in water.

SECTION 13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS.

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

SECTION 14 TRANSPORT INFORMATION

GENERAL: The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR / RID) No transport warning sign required.

MARINE POLLUTANT: No

SECTION 15 REGULATORY INFORMATION

PRODUCT TRADE NAME / DESIGNATION: 4615 DRY FILM DEVELOPER

LABELLING

HAZARD SYMBOL: IRRITANT

RISK PHRASE Nos. & Words:

R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY PHRASE Nos. & WORDS:

S26 In Case Of Contact With Eyes, Rinse Immediately With Plenty Of Water And Seek Medical Advise.

S24/25 Avoid contact with skin and eyes.

S60 This material and its container must be disposed of as hazardous waste

UK REGULATORY REFERENCES.

Health & Safety at work act 1974. The control of substances Hazardous to Health Regulation 1988

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of substances Hazardous to Health

GUIDANCE NOTES : Workplace Exposure Limits EH140.

SECTION 16 OTHER INFORMATION

INFORMATION SOURCES Dangerous Properties of Industrial Chemicals, N.Saz, Croner's Dangerous Substances. Croner's Emergency Spillage Guide, Croner's Substances Hazardous to Health, Material Safety Date Sheet, Misc. Manufacturers.

REVISION DATE: 27.11.09

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Irritant