SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

NAME: MEGA FERRIC CHLORIDE STAIN REMOVER
PART NO: 600-039

MANUFACTURER’S/SUPPLIERS NAME, REGISTERED ADDRESS AND EMERGENCY TEL NO:
MEGA ELECTRONICS LTD.,
THE GRIP INDUSTRIAL ESTATE,
LINTON,
CAMBRIDGE, ENGLAND, CB21 4XN
TEL. No: +44 (0)1223 893900

ORGANISATIONS NAME & ADDRESS AT WHICH MANUFACTURED:
BUNGARD ELEKTRONIK,
RILKESTR. 1,
DD1570 WINDECK ROSBACH,
GERMANY
TEL No: +49 2292 5046

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT %BY WT CAS & EEC Nos.: HAZARD R PHRASE NOS
OXALIC ACID 100% 6153-56-6 Xn 21 - 22

SECTION 3 HAZARDS IDENTIFICATION

HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED

SECTION 4 FIRST AID MEASURES

INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR
SKIN CONTACT: WASH THE AFFECTED AREA WITH LARGE QUANTITIES OF RUNNING WATER.
EYE CONTACT: WASH WITH WATER OR SALINE SOLUTION FOR 15 MINUTES.
INGESTION: IF CHEMICAL HAS BEEN INGESTED DO NOT INCORPORATE INTO THE MOUTH. ENSURE LARGE QUANTITIES OF WATER IS ADMINISTERED. IF THE CHEMICAL HAS BEEN SWALLOWED GIVE ABOUT 250ML OF WATER TO DILUTE IN THE STOMACH. OBTAIN MEDICAL ATTENTION.

MEDICAL NOTES: N/A

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: PREFERABLY DRY CHEMICAL OR WATER SPRAY

COMBUSTION PRODUCTS: MATERIAL IS COMBUSTIBLE. IF INVOLVED IN A FIRE IT DECOMPOSES TO EMIT TOXIC FUMES OF CARBON DIOXIDE AND CARBON MONOXIDE

FIRE/EXPLOSION SCENARIOS: NONE UNUSUAL

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: NONE UNUSUAL

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: WEAR EYE PROTECTION AND GLOVES.
ENVIRONMENTAL PRECAUTIONS: DO NOT EAT, DRINK OR SMOKE WHILE WORKING WITH CHEMICALS
METHODS FOR CLEARING UP: DRY: COLLECT AND PUT INTO SUITABLE CONTAINER FOR DISPOSAL. LIQUID: ABSORB IN SAND OR OTHER INERT MATERIAL AND PUT INTO SUITABLE CONTAINER FOR DISPOSAL.

SECTION 7 HANDLING AND STORAGE

HANDLING PRECAUTIONS: WEAR EYE PROTECTION AND GLOVES AND A SUITABLE DUST MASK WHEN MIXING.

STORAGE INCLUDING ANY SPECIAL REQUIREMENTS (TEMPERATURE, VENTILATION, ETC): STORE AWAY FROM OXIDISING AGENTS. STORE AT ROOM TEMPERATURE. KEEP FROM FREEZING

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION ENGINEERING CONTROLS/VENTILATION: NO LOCAL EXHAUST VENTILATION REQUIRED.
RESPIRATORY PROTECTION: PROTECTIVE MASK WHEN MIXING.
EYE PROTECTION: WEAR SAFETY GLASSES
HAND PROTECTION: WEAR PROTECTIVE RUBBER GLOVES.
SKIN PROTECTION: WEAR PROTECTIVE CLOTHING.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CRYSTALS
COLOUR: WHITE
ODOUR: SLIGHT
ACIDITY/ALKALINITY pH:
BOILING POINT: 100 SUBLIMES
MELTING POINT: 101
FLASH POINT: °C (Open/Closed Cup): AUTOIGNITION TEMPERATURE:°C.
THERMAL DECOMPOSITION TEMP: °C: OXIDISING PROPERTIES:
EXPLOSIVE PROPERTIES:
EXPLOSIVE LIMITS AT 25°C (% VOL IN AIR):
LOWER: UPPER:
RELATIVE DENSITY: 1.65/cm³ SOLID CONTENT: %
SOLUBILITY IN WATER AT 20 DEGREES: 95g/L:
100 DEGREES: 330g/L
SOLUBILITY IN ORGANIC SOLVENTS: SOLUBLE IN ETHANOL GLYCEROL SLIGHTLY SOLUBLE IN DIETHYL ETHER INSOLUBLE IN BENZENE, CHLOROFORM.
VOLATILE CONTENT: PETROLEUM
VAPOUR PRESSURE: mmHg at 20°C RELATIVE VAPOUR DENSITY: (air = 1):
EVAPORATION RATE: (n-butyl acetate = 1):

SECTION 10 STABILITY AND REACTIVITY PROPERTIES

CONDITIONS TO AVOID: MATERIALS TO AVOID: OXIDISING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: IN CASE OF FIRE: CARBON DIOXIDE CARBON MONOXIDE
HAZARDOUS POLYMERISATION: MAY OCCUR - State condition to avoid WILL NOT OCCUR

SECTION 11 TOXICOLOGICAL INFORMATION

EFFECT OF EYE CONTACT: IRRITATING TO THE EYES.
EFFECT OF SKIN CONTACT: IRRITATING TO THE SKIN. PRO-LONGED EXPOSURE MAY CAUSE DERMATITIS
EFFECT OF INHALATION: IRRITATING TO RESPIRATORY System.
EFFECT OF INGESTION: IF SWALLOWED THE SUBSTANCE CAUSES IRRITATION OF THE GASTRO INTESTINAL TRACT AND ABDOMINAL PAIN.

ANY KNOWN DATA ON SENSITISATION CARCINOGENICITY, MUTAGENICITY, TERATOGENICITY, OR NARCOSIS: NONE KNOWN

SECTION 12 ECOLOGICAL INFORMATION

NOT CLASSIFIED

SECTION 13 DISPOSAL CONSIDERATIONS

LARGE QUANTITIES MAY BE DISPOSED OF BY DISSOLVING IN A SUITABLE SOLVENT AND BURNING IN A CHEMICAL INCINERATOR EQUIPPED WITH AFTER BURNER AND SCRUBBER OR BY BURIAL ON AN APPROVED SITE. ALWAYS DISPOSE ACCORDING TO LOCAL AUTHORITY REGULATIONS.

SECTION 14 TRANSPORT INFORMATION

UN-Nr: NOT CLASSIFIED FOR TRANSPORT IATA CLASS: SHIPPING NAME: OXALIC ACID.

SECTION 15 REGULATORY INFORMATION

PRODUCT LABEL DETAILS - PER CHIP REGULATION 9
PRODUCT TRADE NAME/DESIGNATION: FERRIC CHLORIDE STAIN REMOVER
CONTAINS: OXALIC ACID
HAZARD SYMBOL: HARMFUL
RISK PHRASE NUMBERS & WORDS: R21/22 HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED.
SAFETY PHRASE NUMBERS & WORDS: S2 KEEP OUT OF REACH OF CHILDREN S24/ 25 AVOID CONTACT WITH SKIN AND EYES

OCCUPATIONAL EXPOSURE LIMITS: Ref HSE Guidance Notes EH40 for current year Long term exposure limit: 8 hour TWA: Short term exposure limit (10 minute period)
SUBSTANCE IN PRODUCT FORMULA p.p.m. mg/m³
OXALIC ACID (COOH) 2.2 H2O / 1mg/m³ OEL

SECTION 16

COMPILATION OF ACCORDING TO CURRENT U.K. AND EU LEGISLATION.
REVISION DATE: 10TH JULY 2002