



SAFETY DATA SHEET

PSE-R ETCHANT (HB121)

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

TRADE NAME	PSE-R ETCHANT (HB121)	MEGA PART: 11-15157
Producer/importer	C & G Industrial Chemicals Ltd.,	Mega Electronics Limited
Address	Pleasant Street, Lyng, West Bromwich	Mega House, Grip Industrial Estate, Linton, Cambridge
Country	ENGLAND	ENGLAND
Postal code	B70 7DT	CB21 4XN
Telephone	+44 (0) 121 500 5434	+44 (0) 1223 893900
Fax		+44 (0) 1223 893894

2. HAZARDS IDENTIFICATION

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	ALKYLBENZENE SUPHLONIC ACID SODIUM SALT	285-600-2	85117-50-6	1- 5%	Xn;R22. Xi;R38,R41.

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment

COMPOSITION COMMENTS: For use as Surfactants cleaning, washing agents, Foaming agents.

3. COMPOSITION/INFORMATION ON INGREDIENTS

May cause irritation of the nose, throat and respiratory tract. Irritating to eyes and skin.

4. FIRST AID MEASURES

GENERAL INFORMATION	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
INHALATION	Move the exposed. Keep warm and resting. Get medical attention if any discomfort continues
INGESTION	Remove victim immediately from source of exposure. Rinse mouth thoroughly. Get medical attention.
SKIN CONTACT	Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing and flush skin with water. Get medical attention if irritation persists after washing and blistering or redness persists. Contaminated clothing should be washed or dry-cleaned before re-use.
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 eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Use water spray, foam, dry chemicals or carbon dioxide.
UNSUITABLE EXTINGUISHING MEDIA	Avoid using large quantities of water
SPECIAL HAZARDS	Fumes containing carbon dioxide, carbon monoxide and sulphur dioxide may be formed in large fires. May make floor very slippery.
PROTECTIVE CLOTHING FOR FIRE-FIGHTING	Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear protective clothing as described in Section 8 of this safety data sheet.
SPILL CLEAN UP METHODS	DO NOT touch spilled material. Wear necessary protective equipment. Provide ventilation and confine spill. Do not allow run-off into sewer. Transfer material into a container for recover. If recovery is not possible, dispose of through an approved waste disposal facility according to local laws and regulations.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS	Avoid spilling. Avoid contact with eyes, skin and clothing. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container away from sources of heat or ignition.
STORAGE	Chemical Storage.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

name						
ALKYLBENZENE SUPLHONIC ACID SODIUM SALT						

PROTECTIVE EQUIPMENT



WEL = WORKPLACE EXPOSURE LIMITS.

PROCESS CONDITIONS	No occupational exposure limits listed in current editions of EH40 (UK Health & Safety Executive or Threshold values).
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 gauntlets.
EYE PROTECTION	Wear approved full face mask, with suitable filter or powered respirator.
OTHER PROTECTION	Wear appropriate clothing to prevent any possibility of skin contact.
HYGIENE MEASURES	DO NOT SMOKE IN 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 & water if skin becomes contaminated. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.
Colour:	Cream.
Odour	None
Relative Density:	1.035 – 1.039 @ 20°C
pH Value:	10 at 1% w/w in water

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
CONDITONS TO AVOID	May react with strong oxidants.
MATERIALS TO AVOID	Strong oxidisers
HAZARDOUS DECOMPOSITION PRODUCTS	Combustion will generate: oxides of sulphur, oxides or carbon

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	Oral LD50 (rat) > 2000mg/kg
INHALATION	May cause irritation to the nose, throat and respiratory system.
SKIN CONTACT	Irritating to skin
EYE CONTACT	Irritating to eyes – expect serious damage to the eye (possibly with irreversible damage)

12. ECOLOGICAL INFORMATION

NAME	ALKYLBENZENE SUPLHONIC ACID SODIUM SALT
	Not expected to cause significant environmental impact
Biodegradable:	The product is biodegradable
Bioaccumulation:	Product is surface active, Log Pow inappropriate.
Ecotoxicity:	The product is toxic to aquatic organisms

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS Dispose of waste and residues in accordance with local authority requirements.
CONTAINER DISPOSAL: Dispose of containers with care. Contaminated containers must **not** be treated as household waste

14. TRANSPORT INFORMATION

GENERAL	Not classified as hazardous for transport No Transport warning sign required.
----------------	--

15. REGULATORY INFORMATION

LABELLING



Irritant

R-PHRASES

R38 Irritating to skin
R41 Risk of serious damage to eyes

S-PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection

EINECS NO. 285-600-2

EINECS LISTING: Yes

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations.

STATUTORY INSTRUMENTS

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

GUIDANCE NOTES Workplace Exposure Limits EH40.

16. OTHER INFORMATION

INFORMATION SOURCES:

Dangerous Properties of Industrial Chemicals, N.Sax, Croner's: Dangerous Substances. Croner's: Emergency Spillage Guide. Croner's: Substances Hazardous to Health. Material Safety Data Sheet, Misc. manufacturers.

First issue DATE: 30/03/1998 Revised 10.11.2000

RISK PHRASES IN FULL

R38 Irritating to skin

R41 Risk of serious damage to eyes.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy him/herself as to the suitability of such information for his/her own particular use.