

Material Safety Data Sheet

CHEMLOX
POLISHING
FLUID

Date prepared: 3rd August 1995

Date revised: 30th May 2002

0CON-141

1. Identification of the Substance/Preparation and the Company/ Undertaking

Substance or preparation trade name: **Chemlox**

Unique reference number(s): **0CON-141**

Company/undertaking name & address: **Logitech Ltd.,
Erskine Ferry Road, Old Kilpatrick, Glasgow
G605EU, Scotland, UK**

Telephone: **(+44) 1389 875444**

Emergency telephone number: **As above**

2. Composition

Substance:	Sodium hypochlorite	Aluminium oxide
% content:	7 - 8%	8 - 10%
CAS number:	7681-52-9	1344-28-1
EEC number:	31-668-3	

3. Hazards Identification

Corrosive substance. Acute health hazard: irritation of skin. Chronic health hazard: dermatitis. Causes substantial but temporary eye injury. May irritate skin. Harmful if swallowed, causing nausea and vomiting. Prolonged or repeated over-exposure to vapours may irritate the nose, throat and lungs.

4. First Aid Measures

Inhalation: **Remove from exposure, rest and keep warm. In severe cases, or if exposure has been great, OBTAIN MEDICAL ATTENTION.**

Skin contact: **Remove contaminated clothing. Drench the skin thoroughly, and wash with soap and water. If irritation persists OBTAIN MEDICAL ATTENTION.**

Eye contact: **Flush eyes with plenty of water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.**

Ingestion: **Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.**

5. Fire-Fighting Measures

Suitable extinguishing media:	<i>N/A (non-flammable)</i>
Unsuitable extinguishing media:	<i>None specified</i>
Special exposure hazards in fire:	<i>May evolve toxic fumes in fire. Cool down containers to prevent rupture and release of hazardous gases. Can react with nitrates to give explosive products.</i>
Required special protective equipment for fire-fighters:	<i>N/A</i>

6. Accidental Release Measures

Personal precautions:	<i>Wear appropriate protective clothing. Inform others to keep at a safe distance.</i>
Environmental precautions:	<i>If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on an inert absorbent, transfer to container and arrange removal by disposal company. Ventilate area to dispel residual vapour. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers.</i>
Methods for cleaning:	<i>Any residues should be treated as for small spillages.</i>

7. Handling and Storage

Handling:	<i>Keep out of reach of children. Wear protective gloves and glasses. Wash thoroughly with soap and water after use.</i>
Storage:	<i>Store in a cool place (below 15°C). Keep well closed and protected from direct sunlight and moisture.</i>

8. Exposure Controls

Exposure control limits, and source:	<i>3Cl mg/m³, OES</i>
Respiratory protection:	<i>NIOSH approved respirator if large quantities are being used.</i>
Hand protection:	<i>Rubber or plastic gloves.</i>
Skin protection:	<i>Plastic apron, sleeves, boots if handling large quantities.</i>
Eye protection:	<i>Goggles or face-shield.</i>
Ventilation:	<i>Fume cupboard or other adequate ventilation.</i>

9. Physical and Chemical Properties

Appearance:	<i>White suspension</i>
Odour:	<i>Strong chlorine smell</i>
pH:	<i>11.4</i>
Boiling point:	<i>100°C</i>
Flashpoint (°C):	<i>None</i>
Flammability:	<i>N/A</i>
Explosive properties:	<i>N/A</i>
Oxidising properties:	<i>N/A</i>
Vapour pressure:	<i>N/A</i>
Relative density:	<i>1.14</i>
Solubility:	<i>Completely soluble in water</i>

10. Stability and Reactivity

Stability:	<i>Stable</i>
Conditions to avoid:	<i>N/A</i>
Materials to avoid:	<i>Reacts with oxidisers and liberates highly toxic chlorine gases in contact with acids; also avoid amines, alcohols and nitrites</i>
Hazardous decomposition products:	<i>Chlorine</i>

11. Toxicological Information

After inhalation	<i>Irritation of the mucous membranes, coughing and dyspnoea. Inhalation may lead to the formation of oedemas in the respiratory tract.</i>
After skin contact:	<i>Burns</i>
After eye contact:	<i>Burns</i>
After ingestion:	<i>Toxic. Burns in oesophagus and stomach.</i>
Further data:	<i>No evidence of carcinogenic properties. Evidence of mutagenic effects.</i>

12. Ecological Information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention. Moderate aquatic toxicity. Readily degradable in water.

13. Disposal Considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. Transport Information

UN-Number: **1791**
Proper shipping name: **Hypochlorite solutions**
ICAO class: **8**
Packing Instruction: **819 III**

15. Regulatory Information

Supply label information: **CORROSIVE**

NOTE: THIS DATA SHEET DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION.

16. Other Information

Recommendations/restrictions: **The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.**

Use: **Used for chemo-mechanical polishing of electronic components.**

Sources of key data used to compile Safety Data Sheet: **Croner's Hazard Information and Packaging, 3/95**

Abbreviations: **N/E: Not established
N/A: Not applicable**

The data contained in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.