



SAFETY DATA SHEET

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name: ELECTRA SOLVENT
Proper Shipping Name Flammable liquid, toxic, n.o.s.
Recommended use: Electrical Parts Cleaner
Company Details Marketing Chemicals Ltd
Address: 7/343 Church Street , Penrose,
Auckland. New Zealand
Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax: +64 9 634 3864
Emergency Telephone: +64 274 736008(24 hours)
National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation 10 October 2008

Section 2: Hazard Identification



DANGER:

- Flammable liquid and vapour.
- May cause cancer
- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause damage to organs through prolonged or repeated exposure
- Toxic to aquatic life.

HSNO Approval Number: Group Standard HSR002589

Prevention:

- Keep out of reach of children.
- Read label before use.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Wear protective gloves and eye/face protection.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Do not breathe fume/gas/vapours/spray.
- Avoid release to the environment.
- Take precautionary measures against static discharge.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Aliphatic Hydrocarbon	>60%	8052-41-3
Tetrachloroethylene	<60%	127-18-4

Section 4: First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.
Skin:	Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.
Ingestion:	Do not Induce Vomiting. Get immediate medical attention.
Inhalation:	Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.
NOTES TO PHYSICIAN:	Exposure to high concentrations of this material (e.g., in enclosed spaces or with deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point:	48°C
Auto ignition Temperature:	
Flammable Limits in Air % by Volume:	Not available
Extinguishing Media:	Dry chemical, foam, or carbon dioxide.
Fire Fighting Instructions:	Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.
Unusual Fire and Explosion Hazards:	Vapour accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect, away from those fumes.

Section 6: Accidental Release Measures

SMALL SPILL: Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbent or other means. Don't flush into sewers or natural waterways.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

Section 7: Handling And Storage

Handling	Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel or container to another. This material can accumulate static charge by flow or agitation. Vapours can be ignited by static discharge. Use explosion proof equipment as directed by local fire codes.
Storage:	Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

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Section 8: Exposure Controls/Personal Protection

Engineering Controls:	General (mechanical) room ventilation is considered satisfactory in enclosed spaces. Where explosive mixtures may be present, electrical systems safe for such locations must be used.
Eye / Face Protection:	Wear safety glasses with side shields or goggles when handling this material.
Body Protection:	PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
Respiratory Protection:	Use NIOSH/MSHA approved respirators.
Exposure Limits:	Not available

Section 9: Physical And Chemical Properties

Appearance	Clear Colourless Liquid
Odour	Solvent odour
Specific Gravity	0.84
Vapour Pressure	Not available
Vapour Density	Not available
Solubility in water	Insoluble
% Volatiles	100
Evaporation Rate	Not available
Flash Point	48 ^o C

Section 10: Stability And Reactivity

Stability of the Substance:	Stable
Conditions to avoid:	Exposure to excessive heat, open flames and sparks. Avoid conditions that favour the formation of excessive mists and/or fumes.
Materials to avoid:	Strong oxidizing agents.
Hazardous Decomposition Products:	Oxides of Carbon when burned.
Conditions Contributing to Hazardous Polymerization	Will not occur

Section 11: Toxicological Information

Eyes:	SPECIES: Human ;RESULT: Liquid perchloroethylene may cause pain, lacrimation, and burning; however, permanent injury is unlikely. High concentrations of the vapours are uncomfortable to the eyes.
Skin:	SPECIES: Rabbit; RESULT: Highly irritating
Ingestion:	SPECIES: Rat; ENDPOINT: LD50; VALUE: 2600 mg/kg
Inhalation:	SPECIES: Rat ;ENDPOINT: LC50 ;VALUE: 27,000 mg/m ³ (= 27 mg/l)

Tetrachloroethylene is probably carcinogenic to humans.

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Section 12: Ecological Information

- 9.1A (algal) SPECIES: Heterosigma akashiwo Algae
TYPE OF EXPOSURE: DURATION: 72 hr; ENDPOINT: EC50 POP GPOP
VALUE: 200ug/L (= 0.2 mg/l)
- 9.1B (fish) SPECIES: Pimephales promelas (fathead minnow);
TYPE OF EXPOSURE: Flow through ; DURATION: 96 hr ; ENDPOINT:
LC50 ; VALUE: 7.72 mg/l
- 9.1B (crustacean) SPECIES: Cancer magister, Dungeness or edible crab
TYPE OF EXPOSURE: Static; DURATION: 48 hr:
ENDPOINT: LC50 (Mortality); VALUE: 17000 ug/L (= 17 mg/l)

Section 13: Disposal Considerations

Dispose through Licensed Disposal Company

Section 14: Transport Information



- UN No: 1992
- Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.
- Dangerous Goods Class: 3.1C
- Subsidiary risk: 6.1
- Packing Group: III

Section 15: Regulatory Information

- HSNO Approval No: HSR002589
- Group Standard: Industrial and Institutional Cleaning Products (Flammable, Toxic [6.7])
- HSNO Classes: 3.1C, 6.1E, 6.3B, 6.4A, 6.7A, 6.9B, 9.1A

Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services: 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,
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Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

End of Safety Data Sheet.

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