



SAFETY DATA SHEET

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

Product Name:	ELECTRA SOLVENT TCE
Proper Shipping Name	Trichloroethylene
Recommended use:	Electrical Parts Cleaner
Company Details	Marketing Chemicals Ltd
Address:	2 Rymer Place, Mangere Bridge, 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	28 October 2014

Section 2: Hazard Identification



DANGER:

- May be harmful if swallowed.
- May be harmful if inhaled.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause cancer.
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life.
- Harmful to the soil environment.
- Toxic to terrestrial vertebrates.

HSNO Approval Number: Group Standard HSR002531

Group Standard: Cleaning Products (Toxic [6.7]) Group Standard 2006

HSNO Classes: 6.1E(oral, Inhalation), 6.3A, 6.4A, 6.7A, 6.9B(oral, inhalation), 9.1A, 9.2C, 9.3B

Prevention Statements:

- Keep out of reach of children.
- Read label before use.
- 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.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Avoid release to the environment.

Response Statements

- If medical advice is needed, have product container or label at hand.

- Call a POISON CENTER or doctor/physician if you feel unwell.
- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/ attention.
- Take off contaminated clothing and wash before re-use.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF exposed or concerned: Get medical advice/ attention.
- Get medical advice/attention if you feel unwell.
- Avoid release to the environment.

Storage Statements

- Store locked up.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Trichloroethylene	>98%	79-01-6

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:	N/A
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: 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.

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 Liquid
Odour	Chloroform
Specific Gravity	1.465
Vapour Pressure	7.87 kPa
Vapour Density	4.54
Solubility in water	Slightly soluble
% Volatiles	100
Evaporation Rate	Not available
Flash Point	N/A

Section 10: Stability And Reactivity

Stability of the Substance: Stable under normal ambient conditions.

Conditions to avoid:	Avoid contact with foodstuffs.
Materials to avoid:	Incompatible with alkalis & hot metals.
Hazardous Decomposition Products:	Hydrogen Chloride, Phosgene
Hazardous Reactions:	Heating can cause expansion or decomposition of the material, which can lead to containers exploding.

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.

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:	1710
Proper Shipping Name:	TRICHLOROETHYLENE
Dangerous Goods Class:	6
Subsidiary risk	9.1
Packing Group:	III

Section 15: Regulatory Information

HSNO Approval No:	HSR002531
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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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End of Safety Data Sheet.