Material Safety Data Sheet

Revision Date	**Prepared by**	**Technical Information**
Oct. 23, 2007	Patti Rogers	1-800-201-8822 or support@mgchemicals.com
Head Office		**Emergency**
9347 - 193 Street, Surrey, B.C., V4N 4E7		Phone Canutech (613) 996-6666 Collect 24 hrs

For updates please download from www.mgchemicals.com or fax requests to 1-800-708-9888

Section 1: Product Identification

MSDS Code: 409B -aerosol Name: Electrosolve Contact Cleaner

Related Part Numbers: 409B-140G; 409B-340G

Use: Cleaner and degreaser for electronics.

Section 2: Hazardous Ingredients

CAS#-	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
75-83-2	2,2 dimethylbutane	10 - 15	500ppm	500ppm	n/e
96-14-0	3-methyl pentane	15 - 20	500ppm	500ppm	n/e
79-29-8	2,3 dimethyl butane	5 - 8	500ppm	500ppm	n/e
107-83-5	2 - methyl pentane	40 - 55	500ppm	500ppm	n/e
811-97-2	1,1,1,2 tetrafluoroethane	18 - 30	1000ppm	n/e	n/e
110-54-3	n-hexane	1 - 5	50ppm	50ppm	50ppm

Section 3: Hazards Identification

WHMIS Codes: A, B5, D2B

NFPARatings: Health 2 Flammability 3 Reactivity 0

HMISRatings: Health 2 Flammability 4 Reactivity 0

Eyes: May cause mild eye irritation.

Skin: May cause mild skin irritation.

Inhalation: May cause irritation of respiratory tract. Vapor reduces amount of oxygen available for breathing.

Ingestion: Aspiration hazard. May cause weakness and gastrointestinal tract irritation.

Chronic: None known.

Section 4: First Aid Measure

Eyes: Remove contact lenses. Flush with water or saline for 20 minutes. Get medical aid.

Skin: Wash skin with large quantities of soap and water. Get medical aid if symptoms persist.

Inhalation: Immediately remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Ingestion: Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

Section 5: Fire Fighting Measures

Autoignition Temperature: n/e **Flash Point:** -29°C **LEL / UEL:** 1 / 7

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

General Information: Will burn if involved in a fire. Containers may explode in the heat of a fire. Highly flammable vapors are heavier than air and may accumulate in low areas. Flash back along vapor trail is possible.

Section 6: Accidental Release Measures

Spill Procedure: Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

Storage: Keep away from sources of ignition. Store in a cool, dry, well ventilated area, away from incompatible substances.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.

Ventilation: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protection: Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

Section 9: Physical and Chemical Properties

Physical State:	Aerosol	**Odor:**	mild hydrocarbon	**Solubility:**	insoluble	**Evaporation Rate:**	rapid		
Boiling Point:	55°C	**Specific Gravity:**	0.80	**Vapor Pressure:**	47 PSI @21°C	**Vapor Density:**	1.5 (Air=1)	**pH:**	7

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and pressures.

Conditions to avoid: Temperatures over 40°C, ignition sources, and incompatible substances.

Incompatibilities: Alkali and alkaline earth metals; powdered aluminum, zinc, magnesium, and beryllium; and strong oxidizing agents.

Polymerization: Will not occur.

Decomposition: Carbon monoxide, carbon dioxide.

Section 11: Toxicological Information

Sensitization: (effects of repeated exposure)	Repeated skin contact may cause defatting of the skin resulting in dermatitis. Long term intensive inhalation may cause benign lung fibrosis.
Carcinogenicity: (risk of cancer)	No
Teratogenicity: (risk of malformation in an unborn fetus)	No
Reproductive Toxicity: (risk of sterility)	No
Mutangenicity: (risk of heritable genetic effects)	No

Lethal Exposure Concentrations:	**Ingestion(LD50):**	28g / kg (rabbit)	**Inhalation (LC50):**	3125 ppm/4h (rat)	**Skin (LD50):**	n/e

Section 12: Ecological Information

General Information: Avoid runoff into storms and sewers which lead into waterways. Water runoff can cause environmental damage.

Environmental Impact Data: (percentage by weight)

CFC: 0	**HFC:** 25	**Cl.Solv.:** 0	**VOC:** 75	**HCFC:** 0	**ODP:** 0

Section 13: Disposal Information

General Information: Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

Section 14: Transportation Information

Ground:

Consumer Commodity, ORM-D

Air:

Shipper must be trained and certified. Refer to IATA regulations.

Sea:

UN # 1950, Class 2.1. Shipper must be trained and certified. Refer to IMDG regulations.

Section 15: Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

SARA (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

Section 15: Regulatory Information Cont'd

CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depletors.

This product does not contain any class 2 ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.

California Proposition 65 (Chemicals know to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain any chemicals listed.

Health Canada

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

Environment Canada

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act

This product does not contain any ozone depleting substances.

Industry and Science Canada

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

RoHS (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

Section 16: Other Information

Definitions: n/a = not applicable, n/e = not established

Disclaimer: This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.