

Material Safety Data Sheet

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Section 1: Product Identification

MSDS Code: 4229 Name: Connector Coating

Related Part Numbers: 4229-55ml, 4229-1L, 4229-4L

Use: Liquid Coating substitute for electrical tape. Coats wires, connectors etc.

Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH	OSHA	Other	LD 50	LC50
64742-89-8	Light Aliphatic Solvent Naphtha	30-60	N/E	N/E	N/E	>5gm/kg (Oral – rat)	N/E
110-54-3	N-Hexane	10-30	STEL 1000 ppm TWA 50 ppm TWA 500 ppm (skin)	TWA 1800 mg/m3 TWA 500 ppm	N/E	25 gm/Kg Oral Rat	169 gm/m3 Inhalation rat
1330-20-7	Xylene	10-30	TWA 100 ppm STEL 150 ppm	TWA 435 mg/m3 TWA 100 ppm	N/E	4300 mg/m3 Oral- rat	21.6 gm/m3 inhalation rat
67-64-1	Acetone	5-10	TWA 500 ppm STEL 75- ppm	TWA 1000 ppm TWA 2400mg/m3	N/E	5800 mg/m3 oral rat	50.1 gm/m3 Inhalation rat
100-41-4	Ethyl Benzene	1-5	TWA 100 ppm STEL 125 ppm	TWA 100 ppm TWA 435 mg/m3	N/E	3500 mg/m3 Oral rat	N/E
112945-52-5	Silica, amorphous, fumed, crystalline free	1-5	TWA 6 mg/m3	TWA 10 mg/m3	3 mg/m3 TWA respired dust	3160 mg/kg oral rat	N/E
1333-86-4	Carbon Black	0.1-1	TWA 3,5 mg/m3	TWA 3.5 mg/m3	N/E	15400 mg/kg Oral- Rat	N/E

Section 3: Hazards Identification

WHMIS Codes: B2, D2A, D2B

NFPA Ratings: Health 2 Flammability 3 Reactivity 1

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Eyes: Vapors may irritate eyes. Contact with eyes will cause irritation.

Skin: Contact may dry the skin; prolonged contact may cause moderate irritation.

Inhalation: May be harmful if inhaled. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged exposure to solvents may cause adverse effects to the liver, urinary, and reproductive systems.

Ingestion: May be harmful if swallowed.



Chronic: No effects known.

Section 4: First Aid Measure

- Eyes:** Immediately flush eyes with copious amounts of water or saline. Get medical attention if symptoms persist.
- Skin:** Remove contaminated clothing and shoes. Flush with copious amounts of water (using soap if available). Wash clothing before reuse. Get medical attention if symptoms develop and persist.
- Inhalation:** Remove to fresh air. Get medical attention if symptoms develop and persist.
- Ingestion:** Do not induce vomiting. Keep individual calm. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop and persist.

Section 5: Fire Fighting Measures

- Autoignition Temperature:** Not applicable **Flash Point:** - 23°C (-10°F) **LEL / UEL:** 1.0/ 12.8%
- Extinguishing Media:** Foam, dry chemical or carbon dioxide.
- General Information:** Do not store or use near heat, spark, flame, or other sources of ignition.

Section 6: Accidental Release Measures

- Spill Procedure:** No environmental precautions known. Remove all ignition sources, Ensure adequate ventilation. Soak up with inert absorbent. Prevent product from entering drains. Store in closed container until ready for disposal.

Section 7: Handling and Storage

- Handling:** Avoid contact with skin and eyes. Do not breathe mist or vapors. Keep away from heat, spark and flame.
- Storage:** For safe storage, store below 48°C (120 F). Keep in a cool, well-ventilated area. Keep away from heat, sparks, and flame.

Section 8: Exposure Controls

- Routes of entry:** Oral, Inhalation, Topical.
- Ventilation:** Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits. Use NIOSH approved respirator if there is potential to exceed exposure limits.
- Personal Protection:** Chemical resistant, impermeable, gloves. Safety goggles or glasses with side shields.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	Odor:	Solvent	Soluble:	Insoluble in water	Evaporation Rate:	> 1 (Butyl acetate=1)
Boiling Point:	56-141°C	Specific Gravity:	0.83	Vapor Pressure:	185 mm Hg @ 20 °C	Vapor Density:	> 1 pH: N/a

Section 10: Stability and Reactivity

- Stability:** Stable at normal temperatures and pressures.
- Conditions to avoid:** Storage with incompatible materials. Heat, flames, fumes, sparks, and other sources of ignition.
- Incompatibilities:** Strong acids and strong bases. Oxidizing agents. Amines. Alkali metals. Halogenated compounds.
- Polymerization:** Will not occur.
- Decomposition:** None

Section 11: Toxicological Information

Sensitization: (effects of repeated exposure)	Prolonged or repeated skin contact may cause dermatitis.
Carcinogenicity: (risk of cancer)	Please refer to Section 15.
Teratogenicity: (risk of malformation in an unborn fetus)	Please refer to Section 15
Reproductive Toxicity: (risk of sterility)	This product contains Xylene, a known reproductive toxin.
Mutagenicity: (risk of heritable genetic effects)	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:	Cl.Solv: 0	VOC: 67	HCFC: 0	ODP: 0

Section 13: Disposal Information

General Information: Dispose of in accordance with Federal, provincial, state and local regulations.

Section 14: Transportation Information

Ground: (All sizes 1 litre or less)

Consumer Commodity / ORM-D.

Air:

Shipper must be trained and certified. Refer to IATA regulations. Coating solution, UN # 1139, Class 3, Packing Group II, Max Pkg. 1 litre.

Sea:

Shipper must be trained and certified. Refer to IMDG regulations. Ltd. Quantity, Coating solution, UN#1139, class 3, Packing group II, Max Pkg. 1 litre.

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)

Ethyl benzene CAS# 100-41-4, n-hexane CAS# 110-54-3, and Xylene CAS# 1330-20-7 is listed under section 313 as toxic material.

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

This product contains Ethyl benzene (>5%) n-hexane (>30%), and Xylene (>30%) which are toxic 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.

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 known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product contains a chemical known to the State of California to cause cancer, birth defects or reproductive harm.



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.