

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Florsheim Shoe Cleaner****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Florsheim Shoe Cleaner
 Product Item Numbers..... 172002.
 Manufacturer Name and Address..... Empack Spraytech Inc.
 98 Walker Drive
 Brampton
 Ontario
 Canada
 L6T 4H6
 905-792-6571
 24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.
 Consumer Commodity
 Recommended Use..... Aerosol coating for water and stain protection.
 WHMIS Classification..... A, D2B.
 TDG Classification..... AEROSOLS, Class 2.2, UN1950.

Section 02: HAZARDS IDENTIFICATION

Emergency Overview..... Product vapor and mist can be irritating to eyes and inhalation system. Contents under pressure. High temperature container > 50°C (120°F) may cause container to burst.
 Potential Health Effects:
 Eye Contact..... The liquid of this material can produce chilling sensation and discomfort. . This product causes irritation, redness and pain.
 Skin Contact..... Can cause skin irritation. Prolonged or repeated contact may dry the skin.
 Ingestion..... Ingestion is not a likely route of exposure.
 Inhalation..... Dense vapour of this material may reduce the available oxygen for breathing. Prolonged exposure to an oxygen-deficient atmosphere may be fatal.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Secondary alcohol ethoxylate	68131-40-8	1-5
2-Butoxyethanol	111-76-2	1-5
Isobutane	75-28-5	1-10

Section 04: FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.
 Skin Contact..... Wash thoroughly with soap and lukewarm water. Treat frostbite by immediately immersing affected areas in warm water until the skin has warmed up and turned pink. If irritation occurs consult with your doctor.
 Ingestion..... Ingestion is not a likely route of exposure. If irritation persists, obtain medical attention. Drink plenty of water to dilute. If occurs, do not induce vomiting.
 Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance. If breathing is difficult, give oxygen and get medical attention. Do not give adrenaline, epinephrine or similar drugs following exposure to this product.
 Additional Information..... Treat symptomatically.

Section 05: FIRE FIGHTING MEASURES

Flammability Class..... Non-Flammable but contains flammable propellant.
 Extinguishing Media..... Carbon dioxide, dry chemicals, foam or water fog.
 Fire and Explosion Hazards..... Product will not burn (although propellant may flash).
 Sensitivity to Mechanical Impact..... Not expected to be sensitive.
 Sensitivity to Static Discharge..... Not expected to be sensitive.

Section 06: ACCIDENTAL RELEASE MEASURES

Spills and Leaks..... Large spill or leak is unlikely in aerosol containers. If spill or leak occurs, ventilate enclosed spaces and disperse gas with floor-level forced-air ventilation. Exhaust vapours outdoors. Do not smoke or operate internal combustion engines. Remove flames and heating elements.

PRODUCT: Florsheim Shoe Cleaner**Section 07: HANDLING AND STORAGE**

Handling..... Do not breathe vapour or mist. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not enter confined spaces unless adequately ventilated.
 Storage..... Store at temperature below 50°C (120°F).

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Type..... Use chemical safety glasses.
 Skin/Type..... Use gloves and protective clothing against cold temperature made from viton, butyl rubber, PVC, neoprene or nitrile.
 Respiratory/Type..... Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies.
 Engineering Controls..... Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.

Exposure Limits

Ingredients	TWA	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
			STEL			STEL		
Secondary alcohol ethoxylate	Not available		Not available	Not available		Not available		Not available
2-Butoxyethanol	Not available		Not available	Not available		Not available		Not available
Isobutane	Not available		Not available	Not available		Not available		Not available

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol.
 Physical Appearance..... White foam.
 Odour..... Citrus Odour.
 Odour Threshold (ppm)..... Not available.
 Specific Gravity (aerosol)..... 0.95 @ 25C.
 Specific Gravity (liquid)..... 1.0 @ 25C.
 Aerosol Vapour Pressure (psig, 21 deg. C)... 50-60.
 Vapour Density (Air=1)..... ~ 0.96 g/mL @ 760 mmHg.
 Evaporation Rate..... > 1 (n-Butyl Acetate = 1).
 % Volatile by Weight..... 97-100.
 pH..... 10-11.
 Initial Boiling Point/Boiling Range (deg. C).... 100.
 Solubility..... Soluble in water.
 Aerosol Flame Projection..... Not applicable.
 Flashback..... No.
 Auto Ignition Temperature (deg C)..... Not available.
 Flash Point (deg C), Method..... 460. Tag Closed Cup.
 Lower Flammable Limit (% Vol)..... 1.8.
 Upper Flammable Limit (% Vol)..... 8.4.

Section 10: STABILITY AND REACTIVITY

Stability..... Stable under the recommended storage and handling conditions.
 Reactivity Conditions..... Avoid sources of heat and flame, and electrostatic charge.
 Incompatibility..... Strong oxidizing agents.
 Hazardous Products of Decomposition..... May form carbon dioxide and carbon monoxide, various hydrocarbons.
 Hazardous Polymerization..... Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Carcinogenicity of Material..... Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.
 Reproductive Effects..... No information is available, and no adverse effects are expected.
 Teratogenicity..... No information is available, and no adverse effects are expected.
 Mutagenicity..... No information is available, and no adverse effects are expected.

Toxicological Data

Ingredients	LC50-inh, rat	LD50-Oral, rat
Secondary alcohol ethoxylate	Not available	Not available
2-Butoxyethanol	450 ppm (4 hrs - rabbit)	470 mg/kg (rat)
Isobutane	285000 ppm (4 hrs)	Not available

PRODUCT: Florsheim Shoe Cleaner**Section 12: ECOLOGICAL INFORMATION**

Environmental..... Liquid release is only expected to cause localized, non-persistent environmental damage, such as freezing.

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose of in accordance with local, provincial and federal regulations.

Section 14: TRANSPORT INFORMATION

Ground..... Consumer Commodity, ORM-D.
 Air..... Cannot be shipped by air.
 Sea..... AEROSOLS, Class 2.2 , UN# 1950.

Section 15: REGULATORY INFORMATION

Canada..... WHMIS Classification: A: Compressed gas. D2B: Material causing other toxic Materials.
 USA..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200) Classification: Compressed Gas. HMIS: 1 Health, 4 Fire, 1 Reactivity. .

Section 16: OTHER INFORMATION

Disclaimer..... The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Empack assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. THIS MSDS IS VALID FOR THREE YEARS.

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