

---

**MATERIAL SAFETY DATA SHEET**


---

**1. PRODUCT INFORMATION**

Manufacturer: EMPACK a division of EMU Polishes Inc.  
 98 Walker Drive, Brampton  
 Ontario, Canada, L6T 4H6  
 (905) 792 – 6571  
 Emergency telephone numbers: EMPACK (8 AM TO 4 PM EST)  
 (905) 792 – 6571  
 CANUTEC (24 HR)  
 (613) 996 – 6666  
 Product Name: Super Shine  
 Synonyms: Not Applicable  
 Chemical Family: Chlorinated Hydrocarbons, Ethers  
 Molecular Formula: Proprietary Formulation  
 Product Use: Shoe coating  
 WHIMIS Classification: B5, D1B, D2A, D2B.  
 TDG Classification: Consumer Commodity  
 Prepared by: Empack regularity department  
 Preparation Date: Dec. 11, 2006  
 Revised Date: Aug. 29, 2012

**2. HAZARDOUS INGREDIENTS**

Hazardous Ingredients	CAS Number	Wt. %	ACGIH TLV (ppm)	OSHA TWA (ppm)	LD/50 (mg/kg)		LC/50 (mg/m <sup>3</sup> ) Inhal – Rat, 4 hr
					Oral (Rat, 4hr)	Dermal (Rabbit)	
Methylene Chloride	75-09-02	60-100	50	500	1,600	N/Av	N/Av
2-Butoxy- ethanol	111-76-2	5-10	25	50	470	220	450
Toluene	108-88-3	1-5	50	50	5,000	1,4000	N/Av
Propane	74-98-6	7-13	2500	1000	N/Av	N/Av	N/Av
Isobutane	75-28-5	7-13	800	N/Av	N/Av	N/Av	520,000 ppm (mouse / 2 Hrs)

**3. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Aerosol
Appearance	Clear mist
Odour	Ether-like
Odour Threshold	N/Av
Boiling Point (Liquid)	40 °C
Aerosol wt. % Volatile	97 –98
Vapour Density (Air = 1)	> 1
Specific Gravity (Liquid)	1.3
Specific Gravity (Aerosol)	1
Vapour Pressure (PSIG)	60 @ 20 °C
Evaporation Rate, n-Butyl Acetate = 1	N/Av
PH	N/App.
Melting Point	N/App.
Solubility in Water	Insoluble

**4. FIRE AND EXPLOSION HAZARD**

Aerosol Flame Projection Classified as:	Not Applicable
Flashback:	No
Flammability:	Not Flammable
If Yes, Under Which Conditions:	Not Applicable.
Extinguishing Media:	Water Fog
Fire Fighting Procedures:	Wear NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.
Flash Point (TCC deg. C):	None
Autoignition Temperature (deg. C):	Not Available
Flammability Limit in Air (% by volume):	LEL: 1.8, UEL: 9.5.
Hazardous Combustion Products:	Oxides of carbon, oxides of chloride, hydrochloric acid. Emits fumes and smoke.
Sensitivity to Mechanical Impact:	Not available. Not expected to be sensitive to mechanical impact.
Rate of Burning:	Not available.
Explosive Power:	Not available.
Sensitivity to Static Discharge:	Not available.

---

## 5. REACTIVITY DATA

---

Chemical Stability:	Yes, under normal conditions.
Compatibility with Other Substances:	No, with Sodium, Potassium, Zink, Amines, Aluminium.
Hazardous Polymerization:	Will not occur.

---

## 5. TOXICOLOGICAL PROPERTIES

---

Route of Entry:	
Skin Contact:	Yes
Skin Absorption:	No Data Available
Eye Contact:	Yes
Inhalation:	Yes
Ingestion:	Yes
Effects of Acute Exposure:	This product may be harmful in case of eye contact characterised by redness, watering and itching. Harmful in case of ingestion or inhalation: causes respiratory tract irritation, headache, dizziness, and central nervous system depression. May be irritating in case of skin contact.
Effects of chronic exposure:	May cause skin defatting and dermatitis. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.
Carcinogenicity of material:	Under OSHA standard, Methylene Chloride is listed as carcinogen.
Reproductive effects:	No information is available and no adverse reproductive effects are anticipated.
Teratogenicity:	No information is available and no adverse reproductive effects are anticipated.
Mutagenicity:	No information is available and no adverse mutagenic effects are anticipated.

---

## 7. PREVENTIVE MEASURES

---

Eye Protection:	Not required on a short-term basis. Use chemical safety goggles or full face shield when there is potential for eye contact.
Skin Protection:	Not normally required.
Respiratory Protection:	Not required on a short term basis or if exhaust

---

Engineering Controls:	ventilation is provided. However, if exposure exceeds occupational limits, wear a NIOSH/MSHA-approved air-purifying respirator equipped with organic vapour cartridges for mists and vapours. Exhaust ventilation is recommended if used indoors on continuous basis. Required locally, to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.
Leak/Spill Clean-Up Procedures:	Wear protective clothing. Provide adequate ventilation. Collect product for disposal. Ventilate enclosed spaces. Notify applicable government authority if release is reportable or could adversely affect the environment.
Containers Disposal:	Don't puncture or incinerate containers, even when empty. Dispose in accordance with local, provincial and federal regulations.
Storage Instructions:	Keep away from heat, sparks, and open flames.

**8. FIRST AID MEASURES**

---

In case of eye contact, immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY. For skin, wash thoroughly with soap and water. If irritation develops, get medical attention. If affected by inhalation of vapour or spray mist, move to fresh air. If swallowed, do not induce vomiting. Obtain medical attention IMMEDIATELY.

**9. OTHER INFORMATION**

---

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.**

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.