

Material Safety Data Sheet

WHMIS 	Protective Clothing 	TDG Road / Rail
--	--	-----------------

Section 1. Product Identification and Uses			
Product Name	STAINLESS STEEL CLEANER 6903	CI#	Not available.
Synonyms	Not available.	DSL	Not available.
Chemical Name	Not applicable.	CAS #	Not applicable.
Chemical Formula	Chemical mixture.	Code	1834-07-086
Chemical Family	Various hydrocarbons.	Molecular Weight	Not applicable.
Supplier	Maunco Cleaning Supplies Warehouse 270 Adam St., Belleville, ON K8N 5S4 PHONE: 613-962-0437	Manufacturer	Manufactured for: Maunco Cleaning Supplies Warehouse
Material Uses	Cleans, shines and protects stainless steel as well as chrome, laminated plastic, ceramic & enamel.		

Section 2. Hazardous Ingredients			
Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀
1) Petroleum distillate	64741-65-7	30-60	ORAL (LD50): Acute: >8000 mg/kg [Rat]. VAPOR (LC50): Acute: >5900 ppm 4 hour(s) [Rat].
2) Normal heptane	142-82-5	10-30	ORAL (LD50): Acute: 15000 mg/kg [Rat].
3) Isopropanol	67-63-0	1-5	ORAL (LD50): Acute: 3600 mg/kg [Mouse]. 5045 mg/kg [Rat]. VAPOR (LC50): Acute: 16000 ppm 4 hour(s) [Rat].
4) Liquefied petroleum gas	68476-85-7	10-30	Not available.

Section 3. Physical Data			
Physical State and Appearance	Liquid (Aerosol Concentrate).	Odor	Characteristic.
pH (1% Soln/Water)	Not available.	Taste	Not available.
Odor Threshold	50 ppm based on data for: Isopropanol. Weighted average: 49.2 ppm	Color	Clear, colourless.
Volatility	Not available.		
Evaporation Rate	4.5 based on data for: Normal heptane. Weighted average: 1.4 [Butyl acetate.]		
Melting Point	Not available.		
Boiling Point	The lowest known value is 82.22°C (180°F) (Isopropanol). Weighted average: 160.36°C (320.6°F)		
Density	0.734 - 0.757 @ 20°C (68°F) (Water = 1)		
Vapor Density	Greater than 1 (Air = 1)		
Vapor Pressure	Not available.		
LogK_{ow}	Not available.		
Ionicity (Surface Active Agent)	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Conditions of Instability	Not available.		
Dispersion Properties	See solubility in water.		
Solubility	Insoluble in water.		

Continued on Next Page



WHMIS 	Protective Clothing 	TDG Road / Rail
A B-5 D-2B		CONSUMER COMMODITY.

Section 4. Fire and Explosion Data

The Product is:	Extremely Flammable Aerosol
Auto-ignition Temperature	The lowest known value is 215°C (419°F) (Normal heptane).
Products of Combustion	These products are carbon oxides (CO, CO ₂) and other irritating gases.
Flash Points	The lowest known value is CLOSED CUP: -4°C (24.8°F) (Tagliabue) (Normal heptane).
Flammable Limits	LOWER: 1% UPPER: 12%
Extinguishing Media	SMALL FIRE: Use DRY chemicals, CO ₂ or foam. LARGE FIRE: Use water spray or fog. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion. Avoid spreading burning liquid with water used to cool containers. Self-contained respiratory protection should be provided for firefighters.
Flammability	The flammability of an aerosol by WHMIS definition is determined by its flame-extension or its flashback. The flame-extension of this product is greater than 45 cm. FIRE CODE: Level 3 Aerosol (as per NFPA 30B). Do not use in the presence of open flame or spark. Do not place in hot water or near radiator, stove or other sources of heat.
Risks of Explosion	Risks of explosion of the product in presence of mechanical impact: Do NOT subject aerosol cans to impact. Risks of explosion of the product in presence of static discharge: Aerosol spray may be sensitive to static discharge due to flammable concentrate and flammable propellant. Vapours of this product may form a flammable/explosive mixture with air in enclosed areas when vapours present are between the lower (1%) and upper (12%) flammable limits and come into contact with open flames, sparks or static discharge. Do NOT expose aerosol containers to open flames, heat or ignition sources. Container may explode if heated.

Section 5. Reactivity

Stability	The product is stable.
Hazardous Decomposition Products	These products are carbon oxides (CO, CO ₂) and other irritating gases.
Degradability	Not available.
Products of Degradation	Not available. Not available.
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.
Reactivity	Avoid contact with strong oxidizing agents, strong acids and strong alkalies. Avoid contact with heat, open flames or any other source of ignition.
Instability Temperature	Not available.
Conditions of Instability	Not available.


WHMIS 	Protective Clothing 	TDG Road / Rail
A B-5 D-2B		CONSUMER COMMODITY.

Section 6. Toxicological Properties

Routes of Entry	Ingestion. Inhalation. Skin contact. Eye contact.
TLV	<p>Petroleum distillate TWA: 300 (ppm) from ACGIH</p> <p>Isopropanol TWA: 400 CEIL: 500 (ppm) TWA: 980 CEIL: 1225 (mg/m³)</p> <p>Normal heptane TWA: 400 CEIL: 500 (ppm) TWA: 1600 CEIL: 2000 (mg/m³)</p> <p>Liquefied petroleum gas TWA: 1000 CEIL: 1250 (ppm) TWA: 1800 CEIL: 2250 (mg/m³)</p> <p>Consult local authorities for acceptable exposure limits.</p>
Toxicity to Animals	<p>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</p> <p>Acute oral toxicity (LD50): >8000 mg/kg [Rat] (Petroleum distillate). Acute oral toxicity (LD50): 3600 mg/kg [Mouse] (Isopropanol). Acute oral toxicity (LD50): 15000 mg/kg [Rat] (Normal heptane). Acute toxicity of the vapor (LC50): >5900 ppm [Rat] (Petroleum distillate). Acute toxicity of the vapor (LC50): 16000 ppm [Rat] (Isopropanol).</p>
Chronic Effects on Humans	Prolonged or repeated skin contact may lead to dermatitis.
Acute Effects on Humans	<p>EYE CONTACT: May cause irritation, redness and tearing.</p> <p>SKIN CONTACT: May cause irritation, defatting, drying and cracking of skin.</p> <p>INHALATION: Vapours may be irritating to nose, throat and respiratory tract. Excessive inhalation of vapours may cause Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.</p> <p>INGESTION: May cause irritation, a burning sensation of the mouth and throat and abdominal pain, nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.</p>
Synergetic Products (Toxicologically)	Not available.
Irritation/Corrosivity	See acute effects on humans.
Sensitization	Not available.
Carcinogenic Effects	Not available.
Toxic Effects on Reproduction	Not available.
Teratogenic Effects	Not available.
Mutagenic Effects	Not available.


WHMIS 	Protective Clothing 	TDG Road / Rail
A B-5 D-2B		CONSUMER COMMODITY.

Section 7. Preventive Measures

Small Spill and Leak	Ventilate area and eliminate all sources of ignition. Absorb with an inert DRY material and place in an appropriate waste disposal container.
Personal Protective Equipment	Recommend safety glasses and chemical resistant gloves. 
Large Spill and Leak	Not applicable for aerosol containers.
Protective Clothing	Not applicable for aerosol containers.
Engineering Controls	Use under well-ventilated conditions.
Precautions	Contents under pressure. Container may explode if heated. Direct inhalation of spray may be harmful. Keep out of reach of children.
Storage	Store in a cool, dry place. Do not place in hot water or near radiator, stove or other sources of heat. Do not puncture or incinerate container or store at temperatures over 50°C (120°F) or in direct sunlight.
Handling	Do NOT use in the presence of open flame, heat, sparks or any other source of ignition. Avoid breathing vapours or spray mists. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. When container is empty, press button to release all pressure, then dispose of in garbage can. Do not puncture or incinerate container.
Special Shipping Information	None.

Section 8. First Aid

Eye Contact	Flush eyes with plenty of water for at least 15 minutes, lifting upper and lower lids, occasionally. If irritation persists, get medical attention.
Skin Contact	Wash with soap and water. If irritation persists, get medical attention. Remove contaminated clothing and wash before reuse.
Hazardous Skin Contact	No additional information.
Slight Inhalation	Remove affected person to fresh air. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Get medical attention.
Hazardous Inhalation	No additional information.
Slight Ingestion	If swallowed, call physician or poison control centre immediately. DO NOT induce vomiting. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.
Hazardous Ingestion	No additional information.

WHMIS 	Protective Clothing 	TDG Road / Rail
A B-5 D-2B		CONSUMER COMMODITY.

Section 9. MSDS Preparation

References Not available.

No additional remark.

Validated by Regulatory Affairs Dept. on 03-01-2010.

Verified by Regulatory Affairs Dept..

Printed 03-01-2010.

Emergency Phone: CANUTEC 613-996-6666

Responsible
Name/
Telephone No.

Classification

TDG Road / Rail CONSUMER COMMODITY.

Not applicable.

WHMIS WHMIS CLASS A: Compressed gas.
WHMIS CLASS B-5: Flammable aerosol.
WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).



To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.