

Material Safety Data Sheet

WHMIS 	Protective Clothing 	TDG Road / Rail 
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Section I. Product Identification and Uses

Product Name	Chef's Choice Aerosol	CI#	Not applicable.
Synonyms	Not available.	DSL	Not available.
Chemical Name	Not applicable.	CAS #	Not applicable.
Chemical Formula	Chemical mixture.	Code	1834-05-049
Chemical Family	Organic/inorganic.	Molecular Weight	Not applicable.
Supplier	Maunco Cleaning Supplies Warehouse 270 Adam Street, Belleville, Ontario K8N 5S4 PHONE: (613) 962-0437	Manufacturer	Manufactured for: Royalpak
Material Uses	Removes baked on food particles and grease.		

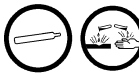


Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀
1) Diethylene glycol monobutyl ether	112-34-5	7-13	Not available. ORAL (LD50) mg/kg: Acute: 500 (Rabbit). ORAL (LD50) mg/kg: Acute: 1720 (Rat). 620 (Guinea pig). 1000 (Rabbit). Not available.
2) Sodium hydroxide	1310-73-2	3-7	
3) Monoethanolamine	141-43-5	3-7	
4) Liquefied petroleum gas	68476-85-7	3-7	

Section 3. Physical Data

Physical State and Appearance	Liquid (Aerosol Concentrate).	Odor	Characteristic.
pH (1% Soln/Water)	13.00 - 14.00 (100% Solution)	Taste	Not available.
Odor Threshold	Not available.	Color	Off-white.
Volatility	Not available.		
Evaporation Rate	Not available.		
Melting Point	Not available.		
Boiling Point	The lowest known value is 100°C (212°F) (Water).		
Density	1.00 - 1.07 @ 20°C (Water = 1)		
Vapor Density	Not available.		
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	Easily soluble in water.		

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Section 4. Fire and Explosion Data




The Product is:	Non-flammable Aerosol.
Auto-ignition Temperature	Not applicable.
Products of Combustion	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Extinguishing Media	Cool containing vessels with water spray in order to prevent pressure build-up or explosion. 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 0 cm. FIRE CODE: Level 1 Aerosol (as per NFPA 30B).
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: Not available. Container may explode if heated.

Section 5. Reactivity

Stability	The product is stable.
Hazardous Decomposition Products	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO,NO ₂ ...) and other irritating gases.
Degradability	Not available.
Products of Degradation	Not available. Not available.
Corrosivity	Highly corrosive in presence of copper. Slightly corrosive to corrosive in presence of zinc. Very slightly to slightly corrosive in presence of steel, of aluminum.
Reactivity	Avoid contact with strong oxidizing agents, strong acids, strong reducing agents, organic materials and metals (aluminum, zinc, copper and tin).
Instability Temperature	Not available.
Conditions of Instability	Not available.

Section 6. Toxicological Properties

Routes of Entry	Ingestion. Inhalation. Skin contact. Eye contact.
TLV	<p>Monoethanolamine TWA: 3 CEIL: 6 (ppm) TWA: 8 CEIL: 15 (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	Acute oral toxicity (LD50): 500 mg/kg (Rabbit) (Sodium hydroxide).

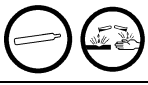


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Chronic Effects on Humans	Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.
Acute Effects on Humans	Very dangerous in case of skin contact (irritant, sensitizer), eye contact (irritant), ingestion and inhalation. Slightly dangerous to dangerous in case of skin contact (permeator). Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
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.

Section 7. Preventive Measures

Small Spill and Leak	Ventilate area. Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.
Personal Protective Equipment	It is highly recommended to wear safety glasses, rubber gloves and a long sleeved shirt and pants. Avoid contact with skin, eyes and clothing.
Large Spill and Leak	Not applicable for aerosol containers.
Protective Clothing	Not applicable for aerosol containers.
Engineering Controls	Use under well-ventilated conditions.
Precautions	EXTREMELY CORROSIVE!! Contents under pressure. Container may explode if heated. Keep out 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, incinerate or store the container at temperatures over 50°C(120°F) or in direct sunlight.
Handling	Avoid breathing spray mists. If ingested, seek medical advice immediately and show the container or the label. AVOID CONTACT WITH SKIN AND EYES.
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.
Special Shipping Information	Not available.



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Section 8. First Aid

Eye Contact	Flush eyes with plenty of running water for at least 15 minutes, lifting upper and lower lids, occasionally. Get medical attention.
Skin Contact	Wash thoroughly 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. Rinse mouth with water. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.
Hazardous Ingestion	No additional information.



Section 9. MSDS Preparation

References	Not available.
No additional remark.	
Validated by Regulatory Affairs Dept. on 04-03-2016.	Verified by Regulatory Affairs Dept..
	Printed 04-03-2016.

Emergency Phone: CANUTEC 613-996-6666

Responsible Name/ Telephone No.

Classification

TDG Road / Rail Aerosols, Class 2.2 (8) UN1950 Not applicable.	
WHMIS WHMIS CLASS A: Compressed gas. WHMIS CLASS E: Corrosive liquid.	

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