

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Purple Power
Product Number: 330
Product Use: Degreaser /Cleaner
Manufacturer/Supplier: Leysons Products
a div. of 1787525 Ontario Inc.
1366 Sandhill Dr., Ancaster, ON
L9G 4V5
Phone Number: (905) 648-7432
Emergency Phone: (905) 648-7832
Date of Preparation: 27 June 2012

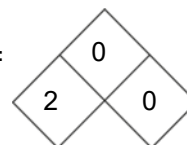
HMIS Hazard Rating:

0 = minimal, 1 = slight

2 = moderate, 3 = severe

4 = extreme

Health / Flammability / Physical Hazard



Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Eye: Mild eye irritant.

Skin: No adverse effects under stated precautionary measures. Inaccurate usage may cause dryness. Prolonged exposure may cause irritation to chemically sensitive individuals.

Ingestion: May cause stomach distress, nausea or vomiting if swallowed.

Inhalation: No adverse effects under typical use conditions. May cause respiratory tract irritation in inadequately ventilated areas for prolonged periods.

Medical Conditions Aggravated By Exposure: No medical conditions under typical use conditions. Sensitive users may experience aggravation of asthma and allergies from prolonged exposure

Safe to use in Food and Beverage Processing and Manufacturing Plant facilities

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Monoethanolamine	141-43-5	1 – 5
Ethylene glycol monobutyl ether	111-76-2	3 – 7
Alcohols, C9-11, ethoxylated	68439-46-3	1 - 5

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable by WHMIS criteria.

Means of Extinction: Not Flammable. If necessary use conventional firefighting methods.

Products of Combustion: May include: oxides of carbon, oxides of nitrogen, ammonia.

Explosion Data: Not Flammable. Non-explosive.

Protection of Firefighters: Typical firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Unrecoverable material may be washed to drains with large quantities of water.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container.

Methods for Clean-Up: No special requirements.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:

Handle and open container with care. When using do not eat or drink. Wash hands before eating or drinking.

Storage:

Keep out of the reach of children. Keep container tightly closed. Keep away from food, drink and animal feeding stuffs.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient

Monoethanolamine
Ethylene glycolmonobutyl ether
Alcohols, C9-11, ethoxylated

Exposure Limits

ACGIH-TLV

3 ppm
20 ppm
Not available.

Engineering Controls: Use adequate ventilation to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear eye/face protection for overhead use.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Color:	Purple.
Odour:	Butyl.
Odour Threshold:	300 ppm
Physical State:	Liquid.
pH:	13.1
Viscosity:	Not available.
Freezing Point:	~ 0 °C (~ 32 °F)
Boiling Point:	Not available.
Flash Point:	Not available.
Evaporation Rate:	1 (Water = 1)
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.

MATERIAL SAFETY DATA SHEET

Purple Power

Vapor Density:	Not available.
Specific Gravity:	1.03
Solubility in Water:	Complete.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	85
VOC content, wt. %:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Acids. Oxidizers.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon, oxides of nitrogen, ammonia.

Possibility of Hazardous Reactions: Do not mix with other chemicals.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD ₅₀ (oral)	LC ₅₀
Monoethanolamine	1720 mg/kg, rat 1 mL/kg, rbt	Not available.
Ethylene glycol monobutyl ether	470 mg/kg, rat	450 ppm 4 hrs, rat
Alcohols, C9-11, ethoxylated	1378 mg/kg, rat	Not available.

Eye: Mild irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause dryness. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS criteria.

Carcinogenicity: Not hazardous by WHMIS criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen *
Monoethanolamine	Not listed.
Ethylene glycol monobutylether	Not listed.
Alcohols, C9-11, ethoxylated	Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS criteria.

Reproductive Effects: Not hazardous by WHMIS criteria.

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS criteria.

Embryotoxicity: Not hazardous by WHMIS criteria.

Respiratory Sensitization: Not hazardous by WHMIS criteria.

Skin Sensitization: Not hazardous by WHMIS criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Minimal effects in the aquatic environment based on toxicology profile.

Persistence / Degradability: Readily biodegradable (test method #301D, OECD)

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material and its container must be disposed of in a safe way.

Section 14: TRANSPORTATION INFORMATION

TDG Classification:

Not regulated

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Global Inventories

Ingredient

Monoethanolamine
Ethylene glycolmonobutyl ether
Alcohols, C9-11, ethoxylated

Canada DSL/NDSL

DSL
DSL
DSL

WHMIS Classification(s):

Class E - Corrosive Material

WHMIS Hazard Symbols:



SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

- OSHA (O)** Occupational Safety and Health Administration.
- ACGIH (G)** American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.
- IARC (I)** International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
- NTP (N)** National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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Version #: 1.0

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