

SAFETY DATA SHEET – PUMP CLEANER

SECTION 1. IDENTIFICATION

Product Identifier	Pump Cleaner
Other Means of Identification	Cleaning solution
Recommended Use	Industrial use, professional use only
Restrictions on Use	None known
Supplier Identifier	Multiurethanes Ltd. 5245 Creekbank Rd, Mississauga, ON L4W 1N3
Emergency Telephone Number	1-800-663-6633

SECTION 2. HAZARD IDENTIFICATION

Classification This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Label Elements
Hazard Pictogram



Signal Word Warning

Hazard Statement May cause skin/eye irritation.

Precautionary Statements Wear appropriate protective equipment.
Avoid breathing dust.
Wash hands and exposed skin after handling.
IF ON SKIN: Wash with soap and water.

Seek medical attention.
IF IN EYES: Rinse with water. Seek medical attention.
IF INHALED: Remove person to fresh air.
Seek medical attention.

Other Hazards

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be mildly irritating to skin and respiratory system.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common Name / Synonyms
Pentanedioic acid, dimethyl ester	1119-40-0	55-65%	Not available
Dimethyl Succinate	106-65-0	15-25%	Not available
Dimethyl Adipate	627-93-0	10-25%	Not available

Notes

The % concentrations for the above listed chemicals will vary from batch to batch. Concentrations listed represent the actual concentration range for each chemical.

SECTION 4. FIRST-AID MEASURES

Inhalation

Remove person to fresh air. Seek medical attention.

Skin Contact

Remove contaminated clothing. Rinse off affected area with water. Seek medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion

Rinse mouth. Do not induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned between legs to avoid breathing in of vomit, rinse mouth and have victim drink one to two glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Most Important Symptoms and Effects (Acute or Delayed)

May cause eye irritation. Symptoms may include tearing, redness and discomfort. Direct skin contact may cause slight or mild, transient irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Immediate Medical Attention and Special Treatment

If exposed or concerned, seek medical advice and attention.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate for surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable Extinguishing Media

Do not use solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Product

Burning may produce irritating, toxic and obnoxious fumes.

Special Protective Equipment and Precautions for Firefighters

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Firefighters should wear full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Do not get in eyes or on skin. Use appropriate personal protection equipment (PPE). Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Methods for Containment and Cleaning Up

Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see section 13).

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling	Use only in well-ventilated areas. Wear suitable protective equipment during handling. Avoid breathing vapours or mists. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and flame. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling.
Conditions for Safe Storage	Store in a dry place.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters	Not available
Appropriate Engineering Controls	Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.
Individual Protection Measures	If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Wear chemically resistant protective gloves. Safety glasses or chemical goggles as appropriate to prevent eye contact. Wear suitable chemically resistant protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	None
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	- 20°C (-4°F)

Initial Boiling Point/Boiling Range	196-225°C (384-437°F)
Flash Point	100°C (212°F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammable/Explosive Limit	Lower flammable limit (% by vol.) = 0.9% Upper flammable limit (% by vol.) = 8% No explosive limits
Vapour Pressure	0.2 mmHg
Vapour Density	> 1 (Air = 1)
Relative Density	1.092 (water = 1)
Solubility in Water	Partially soluble, 5.3% (20°C)
Solubility in Other Liquids	Not available
Partition Coefficient, n-Octanol / Water	Not available
Auto-ignition Temperature	370°C (698°F)
Decomposition Temperature	Not available
Viscosity	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	None under normal conditions.
Chemical Stability	Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials.
Incompatible Materials	Strong oxidizers (e.g. chlorine, peroxides, etc.), strong acids, strong alkalis.
Hazardous Decomposition Products	Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Not available
LD50 and LC50 Data	Oral LD50: > 5000 mg/kg in rats Dermal LD50: > 1000 mg/kg in rabbits Inhalation LC50: > 2000 mg/l in rats
Skin Corrosion/Irritation	Irritation may occur.
Serious Eye Damage/Irritation	Irritation may occur.
Respiratory or Skin Sensitization	Not expected to be a skin or respiratory sensitizer.
Germ Cell Mutagenicity	Not expected to be mutagenic in humans.
Teratogenicity	Not available
Carcinogenicity	No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
Specific Target Organ Toxicity (Single Exposure)	Not available
Specific Target Organ Toxicity (Repeated Exposure)	Not available

Reproductive Toxicity	Not expected to cause reproductive effects.
Aspiration Hazard	Not available
Symptoms/Injuries After Inhalation	If product is heated or mists are formed, inhalation may cause irritation to the nose, throat and respiratory tract.
Symptoms/Injuries After Skin Contact	Direct skin contact may result in little or no irritation.
Symptoms/Injuries After Eye Contact	Irritation may occur. Symptoms may include tearing, redness and discomfort.
Symptoms/Injuries After Ingestion	Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea.
Chronic Symptoms	Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	Not expected to be harmful to aquatic organisms. Do not allow material to contaminate ground water system.
Persistence and Degradability	Readily biodegradable
Bioaccumulative Potential	Not expected to bioaccumulate.
Mobility in Soil	High water solubility indicates a high mobility in soil
Other Adverse Effects	Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws
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are the responsibility solely of the waste generator.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	UN Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Not regulated	Not applicable	Not applicable	Not applicable	Not applicable

Special Precautions Not applicable

Environmental Hazards Refer to section 12.

Transport in Bulk Not applicable

SECTION 15. REGULATORY INFORMATION

OHSA Status Hazardous; irritant

TSCA Status Components are listed on TSCA Inventory.

CERCLA Reportable Quantity Not applicable for typical product application.

SARA Title III Section 302 Extremely hazardous substances - no known reportable constituents.

SARA Title III Section 311/312 Hazard categories – acute health hazard; chronic health hazard.

SARA Title III Section 313 Toxic Chemical Release Reporting - not applicable.

RCRA Status It is the responsibility of the product user to determine, at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

WHMIS Rating This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products

Regulations) (WHMIS 2015).

NAERG Rating 154

SECTION 16. OTHER INFORMATION

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