

## Bio Parts Cleaner (Aerosol)

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Bio Parts Cleaner (Aerosol)
<b>Other Means of Identification</b>	00889
<b>Recommended Use</b>	Cleaner Degreaser.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer</b>	Sluyter Company Ltd., 375 Steelcase Road East, Markham, ON, L3R 1G3, Canada, Technical Department, (905) 475-6011, www.sluyter.com
<b>Emergency Phone No.</b>	CANUTEC, 1-888-226-8832 , or *666 on a cellular phone.
<b>SDS No.</b>	0197
<b>Date of Preparation</b>	March 16, 2018

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Flammable aerosol - Category 1; Gas under pressure - Compressed gas; Flammable liquid - Category 2; Eye irritation - Category 2A; Respiratory sensitization - Category 1A; Health Hazard Not Otherwise Classified (HHNOC) - Category 1

#### Label Elements



Signal Word:

Danger

Hazard Statement(s):

Harmful if swallowed or if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

May damage fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s):

Prevention:

Obtain special instructions before use.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Keep only in original container.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTRE/doctor/

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

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Storage:  
Store in a dry place. Store in a closed container.

Disposal:  
Dispose of contents and container in accordance with local, regional, national and international regulations.

#### Other Hazards

May be a fire hazard in a confined space.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
n-Heptane	142-82-5	40 - 75		
d-Limonene	5989-27-5	10 - 30		
Dipropylene glycol monomethyl ether	34590-94-8	10 - 30		
Carbon dioxide gas	124-38-9	3 - 7		

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Wash with plenty of water. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Get medical advice or attention if you feel unwell or are concerned.

##### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

##### Ingestion

Immediately call a Poison Centre or doctor. Do not induce vomiting. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

##### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

#### Most Important Symptoms and Effects, Acute and Delayed

If inhaled: small amounts can cause effects as described for inhalation. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. If on skin: can cause effects as described for skin contact. If in eyes: small amounts may cause very mild irritation. May cause moderate to severe irritation. Symptoms include sore, red eyes, and tearing. If inhaled and/or swallowed: small amounts symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. Symptoms may include coughing, choking, shortness of breath, difficult or rapid breathing and wheezing.

#### Immediate Medical Attention and Special Treatment

##### Target Organs

Eyes, lungs, respiratory system.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

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Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

#### Specific Hazards Arising from the Product

Flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air. May travel a considerable distance to a source of ignition and flash back to a leak or open container.

In a fire, the following hazardous materials may be generated: corrosive, flammable ammonia; very toxic carbon monoxide, carbon dioxide.

#### Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a safe distance or a protected location. flammable or explosive atmosphere. Dike and recover contaminated water for appropriate disposal.

A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Distant ignition and flashback are possible.

#### Environmental Precautions

Concentrated product: it is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

#### Methods and Materials for Containment and Cleaning Up

Concentrated product: do NOT use combustible materials such as sawdust. Dike spilled product to prevent runoff. Dike and recover contaminated water for appropriate disposal. Store recovered product in suitable containers that are: review Section 13 (Disposal Considerations) of this safety data sheet. Review Section 13 (Disposal Considerations) of this safety data sheet.

#### Other Information

Contact supplier, local fire and emergency services for help. Report spills to local health, safety and environmental authorities, as required.

## SECTION 7. HANDLING AND STORAGE

#### Precautions for Safe Handling

If used in a confined space: prevent skin contact. Do not get in eyes, on skin or on clothing. Only use where there is adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Conditions for Safe Storage

Concentrated product: store in an area that is: cool, well-ventilated, out of direct sunlight and away from heat and ignition sources. Store in a closed container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
n-Heptane	400 ppm	500 ppm	500 mg/m <sup>3</sup>			
Carbon dioxide gas	5000 ppm	30000 ppm	9000 mg/m <sup>3</sup>			
d-Limonene	165.5 mg/m <sup>3</sup>					
Dipropylene glycol monomethyl ether		150 f/cc	900 mg/m <sup>3</sup>			

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## Appropriate Engineering Controls

Concentrated product: in a confined space: do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Exhaust directly to the outside, taking any necessary precautions for environmental protection. Provide eyewash in work area, if contact or splash hazard exists. Provide safety shower in work area, if contact or splash hazard exists.

## Individual Protection Measures

### Eye/Face Protection

Wear chemical safety goggles.

### Skin Protection

Concentrated product: wear chemical protective clothing e.g. gloves, aprons, boots.

### Respiratory Protection

Not normally required if product is used as directed. Concentrated product: if airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Colourless liquid.
<b>Odour</b>	Aromatic
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting Point/Freezing Point</b>	Not applicable (melting); < 0 °C (32 °F) (freezing)
<b>Boiling Range</b>	95 - 100 °C (203 - 212 °F)
<b>Flash Point</b>	-5 °C (23 °F) (closed cup)
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Flammable solid.
<b>Upper/Lower Flammability or Explosive Limit</b>	6.8% (upper); 0.60% (lower)
<b>Vapour Pressure</b>	145 mm Hg at 25 °C
<b>Vapour Density (air = 1)</b>	> 1
<b>Relative Density (water = 1)</b>	> 1
<b>Solubility</b>	Practically insoluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	0.95 - 0.97 centipoises (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

None known.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

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**Conditions to Avoid**

Open flames, sparks, static discharge, heat and other ignition sources. Accumulation of static charge. Freezing.

**Incompatible Materials**

Oxidizing agents (e.g. peroxides), strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

**Hazardous Decomposition Products**

None known.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information presented below is for the entire product, unless otherwise specified.

**Likely Routes of Exposure**

Inhalation; skin contact; eye contact; ingestion.

**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
n-Heptane	> 5,000 mg/kg (rat)		
Carbon dioxide gas	> 53000 ppm (rat) (4-hour exposure)		
d-Limonene		4400 mg/kg (rat)	5000 mg/kg (rabbit)
Dipropylene glycol monomethyl ether		5130 mg/kg (rat)	9500 mg/kg (rabbit)

**LC50 (Inhalation)**

Not applicable.

**LD50 (Oral)**

Not applicable.

**LD50 (Dermal)**

Not applicable.

**Skin Corrosion/Irritation**

Human experience shows mild irritation. Symptoms include slight redness and swelling.

**Serious Eye Damage/Irritation**

Human experience shows serious eye irritation. May cause serious eye irritation based on information for closely related materials. Symptoms include sore, red eyes, and tearing. The vapour also irritates the eyes.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

**Skin Absorption**

Symptoms may include redness, rash, swelling and itching.

**Ingestion**

Can cause effects as described for inhalation.

**Aspiration Hazard**

May be drawn into the lungs (aspirated) if swallowed or vomited. Symptoms may include coughing, choking, shortness of breath, difficult or rapid breathing, and wheezing.

**Carcinogenicity**

Not a carcinogen.

Key to Abbreviations

Group 3 = Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity****Development of Offspring**

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May harm the unborn child.

#### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility. If inhaled: if inhaled and/or swallowed.

#### Effects on or via Lactation

No information was located.

#### Germ Cell Mutagenicity

Not mutagenic.

No information was located for: Skin Corrosion/Irritation, Serious Eye Damage/Irritation, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Interactive Effects

## SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

#### Ecotoxicity

No information was located.

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
n-Heptane	1.284 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)			4.338 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour)
d-Limonene	35 mg/L (Oncorhynchus mykiss (rainbow trout))			
Dipropylene glycol monomethyl ether	> 1000 mg/L (Pimephales promelas (fathead minnow); 96-hour)		> 969 mg/L (Pimephales promelas (fathead minnow))	

#### Persistence and Degradability

Considered not to degrade rapidly, because no data regarding degradability are available.

#### Bioaccumulative Potential

No information was located.

#### Mobility in Soil

No information was located.

#### Other Adverse Effects

This product contains volatile organic compounds.

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. Do not reuse empty containers. Dispose of or recycle empty containers through an approved waste management facility.

## SECTION 14. TRANSPORT INFORMATION

**Environmental Hazards** Not applicable

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**Special Precautions** Please note: Read safety instructions, SDS and emergency procedures before handling.

**Transport in Bulk according to International Maritime Organization Instruments**

Not applicable

**Other Information** If the shipment exceeds 500 kg in weight, this is shipped as LIMITED QUANTITY – AEROSOLS FLAMMABLE CLASS 2.1

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

This section is not required by WHMIS.

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

## SECTION 16. OTHER INFORMATION

**NFPA Rating** Health - 2 Flammability - 3 Instability - 2

**SDS Prepared By** Sluyter Company Ltd

**Phone No.** 905-475-6011

**Date of Preparation** March 16, 2018

**Date of Last Revision** November 03, 2020

**Revision Indicators** The following SDS content was changed on November 03, 2020:  
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION; Respiratory Protection.

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