

Page 1 of 10

# Dibasic Ester

SDS Revision Date (mm/dd/yyyy): 12/07/2023

# SAFETY DATA SHEET

### **SECTION 1. IDENTIFICATION**

Product identifier used on the I	abel	
:	Dibasic Ester	
Other means of identification :	None reported.	
Recommended use of the chen	nical and restrictions on use	
: Chemical family :	Industrial use Use pattern: Professional Use C Restrictions on use None known Esters	5
Name, address, and telepho of the supplier:		Name, address, and telephone number of the manufacturer:
Comet Chemical Company I	_td.	Refer to supplier
3463 Thomas Street Innisfill, ON, Canada L9S 3W4		
Supplier's Telephone # :	(705) 436-5580	
24 Hr. Emergency Tel # :	GFL Environmental - 1-888-772	-2543

## SECTION 2. HAZARDS IDENTIFICATION

#### **Classification of the chemical**

Clear colourless liquid. Musty odour.

Most important hazards: Causes eye irritation. Occupational exposure to the substance or mixture may cause adverse effects.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification: Eye irritation - Category 2B

#### Label elements

Hazard pictogram(s)

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 regulations.

Signal Word

Warning!

Hazard statement(s)

Causes eye irritation.

Precautionary statement(s)

Wash thoroughly after handling.

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

If eye irritation persists: Get medical advice/attention.



## Dibasic Ester SDS Revision Date (mm/dd/yyyy): 12/07/2023

Page 2 of 10

# SAFETY DATA SHEET

Other hazards which do not result in classification:

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

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS #	Concentration (% by weight)
Pentanedioic acid, dimethyl ester	Glutaric acid dimethyl ester DBE-5 dibasic ester	1119-40-0	45.0 - 70.0
Dimethyl succinate	Butanedioic acid, dimethyl ester Dimethyl butanedioate	106-65-0	10.0 - 30.0
Dimethyl Adipate	Hexanedioic acid, dimethyl ester Dimethyl hexanedioate	627-93-0	10.0 - 30.0

The exact concentrations and/or specific chemical identities of the above listed chemicals are being withheld as a trade secret.

#### **SECTION 4. FIRST-AID MEASURES**

### Description of first aid measures

Ingestion	<ul> <li>Do NOT induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Never give anything by mouth to an unconscious person. Call a physician.</li> </ul>
Inhalation	<ul> <li>If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.</li> </ul>
Skin contact	<ul> <li>Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use. If irritation or symptoms develop, seek medical attention.</li> </ul>
Eye contact	<ul> <li>Immediately flush eyes with running water for at least 5 to 10 minutes. If irritation persists, seek prompt medical attention.</li> </ul>
Most important symptoms	s and effects, both acute and delayed
	<ul> <li>Causes 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.</li> </ul>
Indication of any immedia	te medical attention and special treatment needed

r any immediate medical attention and special treath

: Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media Suitable extinguishing media			
: User	media suitable to the surrounding fire such as water fog or fine spray, alcohol s, carbon dioxide and dry chemical.		
Unsuitable extinguishing media			
: Do no	ot use a solid water stream as it may scatter and spread fire.		
Special hazards arising from the substance or mixture / Conditions of flammability			
: Burni	ing may produce irritating, toxic and obnoxious fumes.		
Flammability classification (OSHA 29	CFR 1910.106)		
: Not fl	lammable.		
Hazardous combustion products			
: Carbo	on oxides and other irritating fumes and smoke.		
Special protective equipment and pre Protective equipment for fire-fighters	•		



## Dibasic Ester SDS Revision Date (mm/dd/yyyy): 12/07/2023

Page 3 of 10

# SAFETY DATA SHEET

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. A full-body encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) may be necessary.

Special fire-fighting procedures

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Environmental precautions Methods and material for cor			
	: 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).		
Special spill response procee	lures		
	In Canada:For 24-hour emergency assistance, call: 1-613-996-6666 (CANUTEC).		
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		

Conditions for safe storage	:	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. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Store away from incompatible materials.No smoking
Incompatible materials	:	in the area. Strong oxidizers (e.g. Chlorine, Peroxides, etc.).; Strong acids ;Strong alkalis .

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	ACGIH TLV		<u>OSHA</u>	PEL
	TWA	STEL	PEL	<u>STEL</u>
Pentanedioic acid, dimethyl ester	N/Av	N/Av	N/Av	N/Av
Dimethyl succinate	N/Av	N/Av	N/Av	N/Av
Dimethyl Adipate	N/Av	N/Av	N/Av	N/Av

### Exposure controls



## Dibasic Ester SDS Revision Date (mm/dd/yyyy): 12/07/2023

Page 4 of 10

# SAFETY DATA SHEET

## Ventilation and engineering measures

Ventilation and engineering r	neasures
	: Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.
Respiratory protection	: If airbourne concentrations are above the permissible exposure limit or are not known,
	use NIOSH-approved respirators. Advice should be sought from respiratory protection
Skin protection	specialists. : Gloves impervious to the material are recommended. Advice should be sought from
Skill protection	glove suppliers.
Eye / face protection	: Safety glasses with side-shields or chemical splash goggles, depending on workplace standards.
Other protective equipment	: Wear sufficient clothing to prevent skin contact. Depending on conditions of use, an
	impervious apron should be worn. An eyewash station and safety shower should be made available in the immediate working area.
General hygiene consideration	
	: Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Wash
	contaminated clothing before reuse. Do not eat, drink, smoke or use cosmetics while
	working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it
	thoroughly before reuse. Handle in accordance with good industrial hygiene and safety
	practice.
SECTION 9. PHYSICAL AN	ND CHEMICAL PROPERTIES
Physical State	: Liquid
Colour	: Clear, colorless.
Odour	: Musty odour.
Odour threshold	: N/Av
рН	: N/Av
Melting Point/Freezing point	: - 20°C (-4°F)
Initial boiling point and boilir	ig range
	: 196-225°C (384.8-437°F)
Flash point	: 100°C (212°F)
Flash point Flashpoint (Method)	: 100°C (212°F) : closed cup
-	: closed cup
Flashpoint (Method)	: closed cup
Flashpoint (Method) Evaporation rate (BuAe = 1)	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammab	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> <li>lity limit (% by vol.)</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammabi Upper explosion or flammabi	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> <li>lity limit (% by vol.)</li> <li>8%</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammabi Upper explosion or flammabi Oxidizing properties	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> <li>lity limit (% by vol.)</li> <li>8%</li> <li>None known.</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> <li>lity limit (% by vol.)</li> <li>8%</li> <li>None known.</li> <li>Not explosive</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> <li>lity limit (% by vol.)</li> <li>8%</li> <li>None known.</li> <li>Not explosive</li> <li>0.2 mmHg</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties	<ul> <li>: closed cup</li> <li>: Not available.</li> <li>: Not applicable.</li> <li>ility limit (% by vol.)</li> <li>: 0.9%</li> <li>lity limit (% by vol.)</li> <li>: 8%</li> <li>: None known.</li> <li>: Not explosive</li> <li>: 0.2 mmHg</li> <li>: &gt; 1 (Air = 1)</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure Relative vapour density	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> <li>lity limit (% by vol.)</li> <li>8%</li> <li>None known.</li> <li>Not explosive</li> <li>0.2 mmHg</li> <li>&gt; 1 (Air = 1)</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure Relative vapour density	<ul> <li>: closed cup</li> <li>: Not available.</li> <li>: Not applicable.</li> <li>ility limit (% by vol.)</li> <li>: 0.9%</li> <li>lity limit (% by vol.)</li> <li>: 8%</li> <li>: None known.</li> <li>: Not explosive</li> <li>: 0.2 mmHg</li> <li>: &gt; 1 (Air = 1)</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure Relative vapour density Relative density / Specific gravest	<ul> <li>: closed cup</li> <li>: Not available.</li> <li>: Not applicable.</li> <li>: lity limit (% by vol.)</li> <li>: 0.9%</li> <li>lity limit (% by vol.)</li> <li>: 8%</li> <li>: None known.</li> <li>: Not explosive</li> <li>: 0.2 mmHg</li> <li>: &gt; 1 (Air = 1)</li> <li>avity</li> <li>: 1.09(water = 1)</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure Relative vapour density Relative density / Specific gradients Solubility in water Other solubility(ies)	<ul> <li>: closed cup</li> <li>: Not available.</li> <li>: Not applicable.</li> <li>lity limit (% by vol.)</li> <li>: 0.9%</li> <li>lity limit (% by vol.)</li> <li>: 8%</li> <li>: None known.</li> <li>: Not explosive</li> <li>: 0.2 mmHg</li> <li>: &gt; 1 (Air = 1)</li> <li>avity</li> <li>: 1.09(water = 1)</li> <li>: Partially soluble.</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure Relative vapour density Relative density / Specific gradients Solubility in water Other solubility(ies)	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> <li>lity limit (% by vol.)</li> <li>8%</li> <li>None known.</li> <li>Not explosive</li> <li>0.2 mmHg</li> <li>&gt; 1 (Air = 1)</li> <li>avity</li> <li>1.09(water = 1)</li> <li>Partially soluble.</li> <li>Not available.</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure Relative vapour density Relative density / Specific graves Solubility in water Other solubility(ies) Partition coefficient: n-octant	<pre>: closed cup : Not available. : Not applicable. lity limit (% by vol.) : 0.9% lity limit (% by vol.) : 8% : None known. : Not explosive : 0.2 mmHg : &gt; 1 (Air = 1) avity : 1.09(water = 1) : Partially soluble. : Not available. ob/water or Coefficient of water/oil distribution : Not available. : Not available. : 370°C (698°F)</pre>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure Relative vapour density Relative density / Specific graves Solubility in water Other solubility(ies) Partition coefficient: n-octand Auto-ignition temperature Decomposition temperature	<ul> <li>closed cup</li> <li>Not available.</li> <li>Not applicable.</li> <li>lity limit (% by vol.)</li> <li>0.9%</li> <li>lity limit (% by vol.)</li> <li>8%</li> <li>None known.</li> <li>Not explosive</li> <li>0.2 mmHg</li> <li>&gt; 1 (Air = 1)</li> <li>avity</li> <li>1.09(water = 1)</li> <li>Partially soluble.</li> <li>Not available.</li> <li>D/water or Coefficient of water/oil distribution</li> <li>Not available.</li> <li>370°C (698°F)</li> <li>Not available.</li> </ul>
Flashpoint (Method) Evaporation rate (BuAe = 1) Flammability Lower explosion or flammability Upper explosion or flammability Oxidizing properties Explosive properties Vapour pressure Relative vapour density Relative density / Specific graves Solubility in water Other solubility(ies) Partition coefficient: n-octant	<pre>: closed cup : Not available. : Not applicable. lity limit (% by vol.) : 0.9% lity limit (% by vol.) : 8% : None known. : Not explosive : 0.2 mmHg : &gt; 1 (Air = 1) avity : 1.09(water = 1) : Partially soluble. : Not available. ob/water or Coefficient of water/oil distribution : Not available. : Not available. : 370°C (698°F)</pre>



## Dibasic Ester SDS Revision Date (mm/dd/yyyy): 12/07/2023

Page 5 of 10

# SAFETY DATA SHEET

Volatiles (% by weight)	: Not available.
Volatile organic Compound	
volatile organic compound	: N/Av
Absolute pressure of cont	ainer
	: N/Ap
Flame projection length	: N/Ap
Other physical/chemical c	omments
	: None known or reported by the manufacturer.
SECTION 10. STABILITY	AND REACTIVITY
Reactivity	: Not normally reactive.
Chemical stability	: Material is stable under normal conditions.
Possibility of hazardous re	eactions
	Hazardous polymerization does not occur.
Conditions to avoid	: Avoid excessive heat, sparks and open flame. Avoid contact with incompatible
	materials.
Incompatible materials	: Strong oxidizing agents Strong acids Strong alkalis
Hazardous decomposition	producto
	products

### : None known, refer to hazardous combustion products in Section 5.

# SECTION 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure:

Routes of entry inhalation	:	YES		
Routes of entry skin & eye	:	YES		
Routes of entry Ingestion	:	YES		
Routes of exposure skin absorption				

: NO

### **Potential Health Effects:**

### Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

	:	If product is heated or mists are formed, inhalation may cause irritation to the nose, throat and respiratory tract.
Sign and symptoms ingestion	n	
	:	Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea.
Sign and symptoms skin	:	Direct skin contact may result in little or no irritation.
Sign and symptoms eyes	:	Causes eye irritation. Symptoms may include tearing, redness and discomfort.
Potential Chronic Health Effe	ects	
	:	Prolonged or repeated contact may cause drying, cracking and defatting of the skin.
Mutagenicity	:	Not expected to be mutagenic in humans.
Carcinogenicity	:	No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
Reproductive effects & Terate	oge	enicity
	:	Not expected to cause reproductive effects.
Sensitization to material	:	Not expected to be a skin or respiratory sensitizer.
Specific target organ effects	:	This material is not classified as hazardous under U.S. OSHA regulations (29 CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).



## Dibasic Ester SDS Revision Date (mm/dd/yyyy): 12/07/2023

Page 6 of 10

# SAFETY DATA SHEET

### Medical conditions aggravated by overexposure

	:	No
Synergistic materials	:	No

None known.

: Not available.

**Toxicological data** : See below for individual ingredient acute toxicity data.

	LC₅₀(4hr)	LC	950
Chemical name	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Pentanedioic acid, dimethyl ester	> 11 mg/L (aerosol) (No mortality) (Read-across)	> 5000 mg/kg	> 2000 mg/kg (No mortality)
Dimethyl succinate	> 5.9 mg/L (aerosol) (No mortality) (Read-across)	> 5000 mg/kg	> 2000 mg/kg (No mortality)
Dimethyl Adipate	> 11 mg/L (aerosol) (No mortality) (Read-across)	> 5000 mg/kg	> 5000 mg/kg

## Other important toxicological hazards

: None known.

## SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: Not expected to be harmful to aquatic organisms. Do not allow material to contaminate ground water system. See the following tables for individual ingredient ecotoxicity data.

### Ecotoxicity data:

Ingredients	040#	Toxicity to Fish					
	CAS #	LC50 / 96h	NOEC / 21 day	M Factor			
Pentanedioic acid, dimethyl ester	1119-40-0	30.9 mg/L (Bluegill sunfish)	N/Av	None.			
Dimethyl succinate	106-65-0	50 - 100 mg/L (Zebra fish)	19.7 mg/L/32-day (QSAR)	None.			
Dimethyl Adipate	627-93-0	18 - 24 mg/L (Fathead minnow) (Read-across)	N/Av	None.			

Ingredients	CAS #	Toxicity to Daphnia				
		EC50 / 48h	NOEC / 21 day	M Factor		
Pentanedioic acid, dimethyl ester	1119-40-0	1275 mg/L (Daphnia magna) (calculated)	N/Av	None.		
Dimethyl succinate	106-65-0	> 100 mg/L (Daphnia magna)	507.1 mg/L (QSAR)	None.		
Dimethyl Adipate	627-93-0	72 mg/L (Daphnia magna)	N/Av	None.		



## Dibasic Ester SDS Revision Date (mm/dd/yyyy): 12/07/2023

Page 7 of 10

# SAFETY DATA SHEET

Ingredients	CAS #	Toxicity to Algae				
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
Pentanedioic acid, dimethyl ester	1119-40-0	N/Av	36 mg/L/72hr (Green algae)	None.		
Dimethyl succinate	106-65-0	> 100 mg/L/72hr (Green algae)	100 mg/L/72hr	None.		
Dimethyl Adipate	627-93-0	> 100 mg/L/72hr (Green algae)	12.5 mg/L/72hr	None.		

### Persistence and degradability

: Readily biodegradable

Bioaccumulation potential : Not exp

: Not expected to bioaccumulate.

<u>Components</u>	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)		
Pentanedioic acid, dimethyl ester (CAS 1119-40-0)	0.62 (calculated)	3.162 (estimated)		
Dimethyl succinate (CAS 106-65-0)	0.33	3.16 (QSAR)		
Dimethyl Adipate (CAS 627-93-0)	1.4	1.2		
Mobility in soil Other Adverse Environmenta	<ul> <li>High water solubility indicates a high mobility in soi</li> <li>I effects</li> <li>No information available.</li> </ul>	Ι.		

### SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal Methods of Disposal		Handle waste according to recommendations in Section 7. Dispose in accordance with all applicable federal, state, provincial and local regulations.
RCRA	:	Under the RCRA, it is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, provincial and federal environmental agencies.

## SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	$\bigotimes$
49CFR/DOT Additional information	None.				
TDG	None.	Not regulated.	Not regulated	none	$\bigotimes$
TDG Additional information	None.	1	1		



## Dibasic Ester SDS Revision Date (mm/dd/yyyy): 12/07/2023

Page 8 of 10

# SAFETY DATA SHEET

Special precautions for user	:	None known or reported by the manufacturer.
Environmental hazards		This substance does not meet the criteria for an environmentally hazardous substance
		according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

## **SECTION 15 - REGULATORY INFORMATION**

### **US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>		TSCA	CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
	CAS #	Inventory	Quantity(RQ) (40 CFR 117.302):	Hazardous Substance, 40 CFR 355:	Toxic Chemical	de Minimis Concentration	
Pentanedioic acid, dimethyl ester	1119-40-0	Yes	None.	None.	No	N/Ap	
Dimethyl succinate	106-65-0	Yes	None.	None.	No	N/Ap	
Dimethyl Adipate	627-93-0	Yes	None.	None.	No	N/Ap	

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Eye irritation

### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	Californi	State "Right to Know" Lists						
	040 #	Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Pentanedioic acid, dimethyl ester	1119-40-0	No	N/Ap	No	No	No	No	No	No
Dimethyl succinate	106-65-0	No	N/Ap	No	No	No	No	No	No
Dimethyl Adipate	627-93-0	No	N/Ap	No	No	No	No	No	No

## Canadian Information:

All ingredients are present on the DSL.

### International Information:

Components listed below are present on the following International Inventory list:

Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Pentanedioic acid, dimethyl ester	1119-40-0	214-277-2	Present	Present	(2)-925; (2)-857	KE-27978	Present	HSR003381
Dimethyl succinate	106-65-0	203-419-9	Present	Present	(2)-848	KE-03764	Present	HSR003468
Dimethyl Adipate	627-93-0	211-020-6	Present	Present	(2)-879; (2)-861	KE-18697	Present	HSR003467

### **SECTION 16. OTHER INFORMATION**

Legend



Dibasic Ester	
SDS Revision Date (mm/dd/yyyy): 12/07/2023	

Page 9 of 10

# SAFETY DATA SHEET

	CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 CNS: Central Nervous System COC: Cleveland Open Cup CSA: Canadian Standards Association DOT: Department of Transportation EPA: Environmental Protection Agency IARC: International Agency for Research on Cancer LC: Lethal Concentration LD: Lethal Dose
	N/Ap: Not Applicable N/Av: Not Available NIOSH: National Institute of Occupational Safety and Health
	NIOSH: National Institute of Occupational Safety and Health NTP: National Toxicology Program
	OSHA: Occupational Safety and Health Administration PEL: Permissible exposure limit
	SARA: Superfund Amendments and Reauthorization Act STEL: Short Term Exposure Limit
	TLV: Threshold Limit Values
References	<ul> <li>TWA: Time Weighted Average</li> <li>1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents &amp; Biological Exposure Indices</li> <li>2. ECHA - European Chemical Agency</li> <li>3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases</li> <li>4. Safety Data Sheets from manufacturer.</li> <li>5. US EPA Title III List of Lists</li> <li>6. California Proposition 65 List</li> <li>7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal</li> </ul>
Preparation Date (mm/dd/y	
	: 08/30/2016
Reviewed Date SDS (dd/mr	
Revision No.	: 07/12/2023 : 2
Revision Information	: Updated SDS to the comply with new 2023 WHMIS format
Other special consideration	ns for handling
	: Provide adequate information, instruction and training for operators.
Prepared for:	
Comet Chemical Company 3463 Thomas Street Innisfill, ON L9S 3W4 Information (M-F 8:00-5:00) www.cometchemical.com	COMET COMET CHEMICAL
Prepared by:	

ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) http://www.thecompliancecenter.com



## DISCLAIMER

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by / obtained from Comet Chemical Company Ltd. and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Comet Chemical Company Ltd. expressly disclaim all expressed or implied warranties and assume no responsibilities for the



## Dibasic Ester SDS Revision Date (mm/dd/yyyy): 12/07/2023

Page 10 of 10

# SAFETY DATA SHEET

accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Comet Chemical Company Ltd.

## END OF DOCUMENT