



**Safety Data Sheet**  
**Synthagrease All Grades**

SDS Revision Date:

January 8, 2017

**1. Identification**

**1.1. Product identifier**

**Product Identity**

Synthagrease All Grades

**Alternate Names**

Synthagrease Aerosol, Bulk

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Intended use**

See Technical Data Sheet.

**Application Method**

See Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Company Name**

Brodi Specialty Products Ltd

3175 14th Avenue Unit 1

Markham, On L3R 0H1

**Emergency**

**CHEMTREC (USA)**

(800) 424-9300

**Customer Service:**

877 744 0751 Fax: 877 366 7306

**2. Hazard(s) identification**

**2.1. Classification of the substance or mixture**

Skin Irrit. 3;H316

Causes mild skin irritation. (Not adopted by US OSHA)

**2.2. Label elements**

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

**Warning**

H316 Causes mild skin irritation.

**[Prevention]:**

No GHS prevention statements

**[Response]:**

P332+313 If skin irritation occurs: Get medical advice / attention.

**[Storage]:**

No GHS storage statements

**[Disposal]:**



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No GHS disposal statements

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Dec-1-ene, homopolymer, hydrogenated CAS Number: Trade Secret	50 - 75	Asp. Tox. 1;H304	[1]
Branched hexatriacontane CAS Number: Trade Secret	10 - 25	Aquatic Chronic 4;H413	[1]
Amorphous fumed silica CAS Number: Trade Secret	5 - 10	Combustible Dust Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335	[1]
BUTENE, POLYMER WITH ETHENE AND 1-PROPENE CAS Number: Trade Secret	1 - 5	Not classified	[1]
Dec-1-ene, dimers, hydrogenated CAS Number: Trade Secret	1 - 5	Asp. Tox. 1;H304	[1]
1-Dodecene dimer with 1-Decene, hydrogenated CAS Number: Trade Secret	1 - 5	Acute Tox. 4;H332 Aquatic Chronic 4;H413 Asp. Tox. 1;H304	[1]
Poly(tetrafluoroethene) CAS Number: Trade Secret	1 - 5	Not Classified	[1]
Phosphorothioic acid, O,O,O-triphenyl ester CAS Number: Trade Secret	0.10 - 1.0	Aquatic Chronic 4;H413	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

##### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

##### Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

##### Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.



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**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Overview** May cause skin and eye irritation on prolonged contact. Combustion vapors can contain Teflon decomposition products and SiO<sub>2</sub>; effects not determined. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

**Skin** Causes mild skin irritation.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Water Fog, CO<sub>2</sub>, Dry Chemicals, Foam.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: CO<sub>x</sub>, SiO<sub>x</sub>, Fluorine Compounds, and Asphyxiants.

### 5.3. Advice for fire-fighters

Dense smoke possible.

Wear self-contained breathing apparatus when in confined spaces.

**ERG Guide No.** ----

## 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.



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**6.3. Methods and material for containment and cleaning up**

Contain spill. Treat as oil spill. Absorb on suitable media.

**7. Handling and storage**

**7.1. Precautions for safe handling**

Avoid breathing severely heated vapors. Avoid prolonged skin or eye contact.

**7.2. Conditions for safe storage, including any incompatibilities**

Incompatible materials: Strong oxidizing agents and strong acids.

**7.3. Specific end use(s)**

No data available.

**8. Exposure controls and personal protection**

**8.1. Control parameters**

**Exposure**

CAS No.	Ingredient	Source	Value
Trade Secret	Phosphorothioic acid, O,O,O-triphenyl ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Trade Secret	Poly(tetrafluoroethene)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Trade Secret	BUTENE, POLYMER WITH ETHENE AND 1-PROPENE	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Trade Secret	Dec-1-ene, homopolymer, hydrogenated	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Trade Secret	Dec-1-ene, dimers, hydrogenated	OSHA	No Established Limit
		ACGIH	No Established Limit



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		NIOSH	No Established Limit
		Supplier	No Established Limit
Trade Secret	Amorphous fumed silica	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Trade Secret	1-Dodecene dimer with 1-Decene, hydrogenated	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Trade Secret	Branched hexatriacontane	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10 mg/m<sup>3</sup> ACGIH.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
Trade Secret	Phosphorothioic acid, O,O,O-triphenyl ester	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Trade Secret	Poly(tetrafluoroethene)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
Trade Secret	BUTENE, POLYMER WITH ETHENE AND 1-PROPENE	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Trade Secret	Dec-1-ene, homopolymer, hydrogenated	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Trade Secret	Dec-1-ene, dimers, hydrogenated	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Trade Secret	Amorphous fumed silica	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Trade Secret	1-Dodecene dimer with 1-Decene,	OSHA	Select Carcinogen: No



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	hydrogenated	NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Trade Secret	Branched hexatriacontane	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

### 8.2. Exposure controls

#### Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

#### Eyes

Protective safety glasses recommended

#### Skin

Skin protection is not required under normal use conditions.

#### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## 9. Physical and chemical properties

<b>Appearance</b>	Semi-solid Gel
<b>Odor</b>	Slight
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	Very High
<b>Flash Point</b>	> 500°F
<b>Evaporation rate (Ether = 1)</b>	Nil
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Nil at Room Temperature
<b>Vapor Density</b>	> 1
<b>Specific Gravity</b>	0.85
<b>Solubility in Water</b>	Nil
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured



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Viscosity (cSt)

Not Measured

Percent Volatile (by volume)

Nil

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Excessive heat and open flame.

### 10.5. Incompatible materials

Strong oxidizing agents and strong acids.

### 10.6. Hazardous decomposition products

CO<sub>x</sub>, SiO<sub>x</sub>, Fluorine Compounds, and Asphyxiants.

## 11. Toxicological information

### Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Dec-1-ene, homopolymer, hydrogenated - (Trade Secret)	> 5,000.00, Rat - Category: NA	3,000.00, Rabbit - Category: 5	No data available	4,800.00, Rat - Category: NA	No data available



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Branched hexatriacontane - (Trade Secret)	No data available	No data available	No data available	No data available	No data available
Amorphous fumed silica - (Trade Secret)	3,160.00, Rat - Category: 5	No data available	No data available	No data available	No data available
BUTENE, POLYMER WITH ETHENE AND 1-PROPENE - (Trade Secret)	No data available	No data available	No data available	No data available	No data available
Dec-1-ene, dimers, hydrogenated - (Trade Secret)	No data available	No data available	No data available	No data available	No data available
1-Dodecene dimer with 1-Decene, hydrogenated - (Trade Secret)	No data available	No data available	No data available	No data available	No data available
Poly(tetrafluoroethene) - (Trade Secret)	No data available	No data available	No data available	No data available	No data available
Phosphorothioic acid, O,O,O-triphenyl ester - (Trade Secret)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation. (Not adopted by US OSHA)
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous



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for the environment. See section 3 for details

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Dec-1-ene, homopolymer, hydrogenated - (Trade Secret)	Not Available	Not Available	Not Available
Branched hexatriacontane - (Trade Secret)	Not Available	Not Available	Not Available
Amorphous fumed silica - (Trade Secret)	Not Available	Not Available	Not Available
BUTENE, POLYMER WITH ETHENE AND 1-PROPENE - (Trade Secret)	Not Available	Not Available	Not Available
Dec-1-ene, dimers, hydrogenated - (Trade Secret)	Not Available	Not Available	Not Available
1-Dodecene dimer with 1-Decene, hydrogenated - (Trade Secret)	Not Available	Not Available	Not Available
Poly(tetrafluoroethene) - (Trade Secret)	Not Available	Not Available	Not Available
Phosphorothioic acid, O,O,O-triphenyl ester - (Trade Secret)	Not Available	Not Available	Not Available

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

Not Measured

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This product contains no PBT/vPvB chemicals.

**12.6. Other adverse effects**

No data available.

**13. Disposal considerations**

**13.1. Waste treatment methods**

Observe all federal, state and local regulations when disposing of this substance.

**14. Transport information**

<b>14.1. UN number</b>	<b>DOT (Domestic Surface Transportation)</b> Not Applicable	<b>IMO / IMDG (Ocean Transportation)</b> Not Regulated	<b>ICAO/IATA</b> Not Regulated
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<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No;		
<b>14.6. Special precautions for user</b>			
No further information			

## 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.		
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.		
<b>WHMIS Classification</b>	Not Regulated		
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> No	<b>Sudden Release of Pressure:</b> No	<b>Reactive:</b> No
	<b>Immediate (Acute):</b> Yes	<b>Delayed (Chronic):</b> No	

**EPCRA 311/312 Chemicals and RQs:**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 302 Extremely Hazardous:**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%):**  
Dec-1-ene, homopolymer, hydrogenated



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**Pennsylvania RTK Substances (>1%):**

Dec-1-ene, homopolymer, hydrogenated  
Poly(tetrafluoroethene)

<b>16. Other information</b>
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The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H413 May cause long lasting harmful effects to aquatic life.

The information presented in this material safety data sheet is, to the best of our knowledge and belief, accurate as of the revision date. Any information, data, and opinions herein are based upon information provided and available to us. Brodi Specialty Products makes no warranty or representation, express or implied, to any person, as to its accuracy, reliability, or completeness. Brodi Specialty Products EXPRESSLY DISCLAIMS ALL WARRANTIES OF EVERY NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE regarding any information, data, and opinions in this document and the use or suitability of the product described. The information, data, and opinions in this document are offered solely for the user's consideration, investigation, and verification. Any use of this material safety data sheet and the product described must be in accordance with all local, state, and federal laws and regulations.

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