



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 SiO₂; 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, CO₂, Dry Chemicals, Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: CO_x, SiO_x, 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/m³ OSHA PEL and 10 mg/m³ 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

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

14.1. UN number

DOT (Domestic Surface Transportation)

Not Applicable

IMO / IMDG (Ocean Transportation)

Not Regulated

ICAO/IATA

Not Regulated



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14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No;		
14.6. Special precautions for user	No further information		

15. Regulatory information

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

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

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.

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