

**SAFETY DATA SHEET**

Revision Date: 02/22/2018

Print Date: 4/11/2018

SDS Number: R0717818

Version: 1.4

Cerasynt™ Q ester
™ Trademark, Ashland or its subsidiaries, registered
in various countries
826860

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Trade name : Cerasynt™ Q
ester
™ Trademark, Ashland or its subsidiaries, registered in
various countries

Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Personal care
Cosmetics

Details of the supplier of the safety data sheet

Ashland
P.O. Box 2219
Columbus, OH 43216
United States of America (USA)
+1-614-790-3333

EHSProductSafety@ashland.com

Emergency telephone number

1-800-ASHLAND (1-800-274-5263)

Regulatory Information Number

1-800-325-3751

Product Information

+1-614-790-3333

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Combustible Dust :

GHS label elements

Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.

Precautionary Statements : **Prevention:**
Keep dust/air mixtures away from ignition sources.

Other hazards

None known.

**SAFETY DATA SHEET**

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : organic

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
POTASSIUM STEARATE	593-29-3	Not a hazardous substance or mixture.	7.00

SECTION 4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- If inhaled : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
- If swallowed : Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : No symptoms known or expected.
- Notes to physician : No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local



SAFETY DATA SHEET

Revision Date: 02/22/2018

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 826860

circumstances and the surrounding environment.

Water spray

Foam

Specific hazards during firefighting : Organic dusts at sufficient concentration can form explosive mixtures in air.
 Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : carbon dioxide and carbon monoxide

Specific extinguishing methods :

Product is compatible with standard fire-fighting agents.

Further information : Standard procedure for chemical fires.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.
 Avoid breathing dust.
 Material can create slippery conditions.
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.
 Keep in suitable, closed containers for disposal.

Other information : Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid dust formation.
 Ensure all equipment is electrically grounded and bonded before beginning transfer operations.
 The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres.

SAFETY DATA SHEET

Revision Date: 02/22/2018

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Smoking, eating and drinking should be prohibited in the application area.

For personal protection see section 8.

Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards.

For further guidance on prevention of dust explosions, refer to National Fire Protection Association (NFPA) 654: "Standard for the Prevention of Fire and Dust Explosions, from the Manufacturing, Processing and Handling of Combustible Particulate Solids".

Conditions for safe storage : No smoking.

Materials to avoid : No materials to be especially mentioned.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
POTASSIUM STEARATE	593-29-3	PEL	10 mg/m ³	CAL PEL
		TWA	10 mg/m ³ Inhalable fraction	ACGIH
		TWA	3 mg/m ³ Respirable fraction	ACGIH

Engineering measures : Provide appropriate exhaust ventilation at places where dust is formed.

General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Eye protection : Safety glasses

Skin and body protection : Wear as appropriate:



SAFETY DATA SHEET

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SDS Number: R0717818

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Safety shoes
 Wear resistant gloves (consult your safety equipment
 supplier).

Hygiene measures : Avoid breathing dust.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: flakes
Physical state	: solid
Colour	: white, off-white
Odour	: slight
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: 135 - 138 °F / 57 - 59 °C
Boiling point/boiling range	: 608 °F / 320 °C
Flash point	: 249 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 0.847 g/cm ³ (25 °C)
Solubility(ies)	
Water solubility	: slightly soluble

**SAFETY DATA SHEET**

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SDS Number: R0717818

Version: 1.4

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Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Thermal decomposition : No data available

Viscosity
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Dust may form explosive mixture in air.

Conditions to avoid : Keep away from heat, flame, sparks and other ignition sources.

Incompatible materials : Strong acids
Strong bases
Strong oxidizing agents

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation
Skin contact
Eye Contact
Ingestion

Acute toxicity

Not classified based on available information.

Product:



SAFETY DATA SHEET

Revision Date: 02/22/2018

Print Date: 4/11/2018

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Version: 1.4

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- Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
 Method: OECD Test Guideline 401
 Assessment: Not classified as acutely toxic by ingestion under GHS.
 Remarks: Information given is based on data obtained from similar substances.
- Acute inhalation toxicity : LC50 (Rat, male): > 1.86 mg/l
 Exposure time: 6 h
 Test atmosphere: dust/mist
 Method: OECD Test Guideline 403
 Remarks: Information given is based on data obtained from similar substances.
- Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
 Assessment: Not classified as acutely toxic by dermal absorption under GHS.
 Remarks: Information given is based on data obtained from similar substances.

Skin corrosion/irritation

Not classified based on available information.

Product:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

Components:

POTASSIUM STEARATE:

Result: Slight, transient irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Remarks: Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.

Components:

POTASSIUM STEARATE:

Result: Slight, transient irritation



SAFETY DATA SHEET

Revision Date: 02/22/2018

Print Date: 4/11/2018

SDS Number: R0717818

Version: 1.4

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Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Product:

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Product:

- Genotoxicity in vitro
- : Test Type: Ames test
 Test species: Salmonella typhimurium
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 471
 Result: negative
 Remarks: Information given is based on data obtained from similar substances.
 - : Test Type: Chromosome aberration test in vitro
 Test species: Chinese hamster ovary cells
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 473
 Result: negative
 Remarks: Information given is based on data obtained from similar substances.
 - : Test Type: In vitro mammalian cell gene mutation test
 Test species: Chinese hamster ovary cells
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 476
 Result: negative
 Remarks: Information given is based on data obtained from similar substances.

- Genotoxicity in vivo
- : Test Type: Micronucleus test
 Test species: Mouse
 Cell type: Bone marrow
 Method: OECD Test Guideline 474
 Result: negative
 Remarks: Information given is based on data obtained from similar substances.

Carcinogenicity

Not classified based on available information.



SAFETY DATA SHEET

Revision Date: 02/22/2018

Print Date: 4/11/2018

SDS Number: R0717818

Version: 1.4

Cerasynt™ Q ester
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 826860

Reproductive toxicity

Not classified based on available information.

Product:

Effects on fertility : Species: Rat
 General Toxicity - Parent: No observed adverse effect level:
 1,000 mg/kg bw/day
 Method: OECD Test Guideline 422

Effects on foetal development : Species: Rat
 General Toxicity Maternal: No observed adverse effect level:
 1,000 mg/kg bw/day
 Method: OECD Test Guideline 422
 Remarks: Information given is based on data obtained from
 similar substances.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Product:

Species: Rat, male and female
 NOAEL: ca. 5,000 mg/kg
 Application Route: Oral
 Exposure time: CUST-N11.00322330
 Method: OECD Test Guideline 408
 Remarks: Information given is based on data obtained from similar substances.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SAFETY DATA SHEET

Revision Date: 02/22/2018

Print Date: 4/11/2018

SDS Number: R0717818

Version: 1.4

Cerasynt™ Q ester
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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC0 (Danio rerio (zebra fish)): $\geq 10,000$ mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: ISO 7346/1
Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: Regulation (EC) No. 440/2008, Annex, C.2
Remarks: Nominal
Information given is based on data obtained from similar substances.

EC50 (Daphnia magna (Water flea)): > 0.01 mg/l
Exposure time: 48 h
Test Type: static test
Method: Regulation (EC) No. 440/2008, Annex, C.2
Remarks: Measured value
No toxicity at the limit of solubility
Information given is based on data obtained from similar substances.

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: Regulation (EC) No. 440/2008, Annex, C.3
Remarks: Nominal
Information given is based on data obtained from similar substances.

EC50 (Desmodesmus subspicatus (green algae)): > 0.01 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test
Method: Regulation (EC) No. 440/2008, Annex, C.3
Remarks: Measured value
No toxicity at the limit of solubility
Information given is based on data obtained from similar substances.

**SAFETY DATA SHEET**

Revision Date: 02/22/2018

Print Date: 4/11/2018

SDS Number: R0717818

Version: 1.4

Cerasynt™ Q ester
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
 826860

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): ≥ 0.01 mg/l
 Exposure time: 21 d
 Test Type: semi-static test
 Method: OECD Test Guideline 211
 Remarks: No toxicity at the limit of solubility
 Information given is based on data obtained from similar substances.

Ecotoxicology Assessment
 Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

Persistence and degradability**Product:**

Biodegradability : Result: Readily biodegradable.
 Method: OECD Test Guideline 301D

No data available

Bioaccumulative potential

No data available

Mobility in soil**Product:**

Distribution among environmental compartments : log K_{oc}: 2.5 - 8.7
 Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Other adverse effects

No data available

Product:

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

General advice : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.

**SAFETY DATA SHEET**

Revision Date: 02/22/2018

Print Date: 4/11/2018

SDS Number: R0717818

Version: 1.4

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SECTION 14. TRANSPORT INFORMATION**International transport regulations****REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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MX_DG

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

TDG_INWT_C

Not dangerous goods

TDG_RAIL_C

Not dangerous goods

TDG_ROAD_C

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

CFR_RAIL_C

Not dangerous goods

U.S. DOT - ROAD

**SAFETY DATA SHEET**

Revision Date: 02/22/2018

Print Date: 4/11/2018

SDS Number: R0717818

Version: 1.4

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Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant

no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Combustible Dust**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.**SARA 313** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.**Pennsylvania Right To Know**

GLYCERIDES, C16-18 MONO, DI-AND TRI- 91052-54-9

POTASSIUM STEARATE 593-29-3

New Jersey Right To Know

GLYCERIDES, C16-18 MONO, DI-AND TRI- 91052-54-9

POTASSIUM STEARATE 593-29-3

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:



SAFETY DATA SHEET

Revision Date: 02/22/2018

Print Date: 4/11/2018

SDS Number: R0717818

Version: 1.4

Cerasynt™ Q ester
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 in various countries
 826860

DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TSCA	: For Cosmetic Use Only

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information


Revision Date: 02/22/2018

NFPA:	HMIS III:						
<p>Flammability</p> <p>Health</p> <p>Instability</p> <p>Special hazard.</p>	<table> <tr> <td>HEALTH</td><td>0</td></tr> <tr> <td>FLAMMABILITY</td><td>0</td></tr> <tr> <td>PHYSICAL HAZARD</td><td>0</td></tr> </table> <p>0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic</p>	HEALTH	0	FLAMMABILITY	0	PHYSICAL HAZARD	0
HEALTH	0						
FLAMMABILITY	0						
PHYSICAL HAZARD	0						

NFPA Flammable and Combustible Liquids Classification

Not applicable

Full text of H-Statements

	Page: 15
SAFETY DATA SHEET	Revision Date: 02/22/2018
	Print Date: 4/11/2018
	SDS Number: R0717818
Cerasynt™ Q ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 826860	Version: 1.4

Sources of key data used to compile the Safety Data Sheet
 Ashland internal data including own and sponsored test reports
 The UNECE administers regional agreements implementing harmonised classification for
 labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether
 originating with the company or not. Recipients are advised to confirm in advance of need that the
 information is current, applicable, and suitable to their circumstances. This SDS has been
 prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of
 Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response,
 Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -
 Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL -
 Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS -
 Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS -
 Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -
 Concentration associated with x% growth rate response; ERG - Emergency Response Guide;
 GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous
 Materials Identification System; IARC - International Agency for Research on Cancer; IATA -
 International Air Transport Association; IBC - International Code for the Construction and
 Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory
 concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing
 Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -
 International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -
 International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -
 Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population
 (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from
 Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA -
 National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration;
 NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate;
 NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD -
 Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety
 and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS -
 Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure
 Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation
 (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration,
 Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-
 Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization

		Page: 16
SAFETY DATA SHEET		Revision Date: 02/22/2018
		Print Date: 4/11/2018
		SDS Number: R0717818
Cerasynt™ Q ester ™ Trademark, Ashland or its subsidiaries, registered in various countries 826860		Version: 1.4

Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative