

SAFETY DATA SHEET

Revision Date: 04/02/2018

Print Date: 3/17/2020

SDS Number: 000000207597

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Version: 2.0


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Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
PETROLEUM DISTILLATES	64742-55-8	Not a hazardous substance or mixture.	>= 20.00 - < 30.00
PETROLEUM DISTILLATES	72623-86-0	Asp. Tox. 1; H304	>= 1.00 - < 10.00
ORGANIC ACID ESTER	125643-61-0	Aquatic Chronic 4; H413	>= 1.00 - < 10.00
REACTION PRODUCT OF ALKYLTHIOALCOHOL & SUBST. PHOSPHORUS CPD.		Acute Tox. 5; H303 Acute Tox. 4; H312 Skin Corr/Irr 1; H314 Eye Corr/Irr 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.10 - < 1.00
4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate	93882-40-7	Eye Corr/Irr 2A; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0.10

SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

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- 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 : Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.
- Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
stomach or intestinal upset (nausea, vomiting, diarrhea)
irritation (nose, throat, airways)
- 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 circumstances and the surrounding environment.
Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion : carbon dioxide and carbon monoxide



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- products : Hydrocarbons
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Product is compatible with standard fire-fighting agents.
- 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 : Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations.
- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.
- Conditions for safe storage : Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- 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	Control	Basis
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		(Form of exposure)	parameters / Permissible concentration	
PETROLEUM DISTILLATES	64742-55-8	CMP (Mist)	5 mg/m3 Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		L-8/40 (Mist)	5 mg/m3 Mist	VE OEL
		LB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		TWA	5 mg/m3	CR OEL
PETROLEUM DISTILLATES	72623-86-0	CMP (Mist)	5 mg/m3 Mist	AR OEL
		CMP - CPT (Mist)	10 mg/m3 Mist	AR OEL
		TWA (Mist)	5 mg/m3 Mist	PE OEL
		STEL (Mist)	10 mg/m3 Mist	PE OEL
		L-8/40 (Mist)	5 mg/m3 Mist	VE OEL
		LB (Mist)	10 mg/m3 Mist	VE OEL
		CPT (Mist)	5 mg/m3 Mist	PA OEL
		CCT (Mist)	10 mg/m3 Mist	PA OEL
		TWA	5 mg/m3	CR OEL

Engineering measures : 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

Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed

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into eyes.

Skin and body protection : Wear as appropriate:
Safety shoes

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : liquid
- Odour : No data available
- Odour Threshold : No data available
- pH : No data available
- Melting point/freezing point : No data available
- Boiling point/boiling range : 350 °C (1,013.333333 hPa)
Calculated Phase Transition Liquid/Gas
- Flash point : > 199 °C Method: Cleveland open cup
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit : 6 %(V)
GLP: Calculated Explosive Limit
- Lower explosion limit : 1 %(V)
GLP: Calculated Explosive Limit
- Vapour pressure : 0.1333333 hPa (20 °C)
Calculated Vapor Pressure
- Relative vapour density : No data available
- Relative density : No data available
- Density : 0.849 g/cm3
- Solubility(ies)
 - Water solubility : No data available
 - Solubility in other solvents : No data available
- Partition coefficient: n-octanol/water : No data available
- Thermal decomposition : No data available

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Viscosity
Viscosity, dynamic : No data available
Viscosity, kinematic : 36 mm²/s (40 °C)
7 mm²/s (100 °C)
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 : Product will not undergo hazardous polymerization.
Conditions to avoid : excessive heat
Incompatible materials : Strong oxidizing agents
Hazardous decomposition products : carbon dioxide and carbon monoxide
Hydrocarbons

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Components:**PETROLEUM DISTILLATES:**

Acute oral toxicity : LD₅₀ (Rat): > 5,000 mg/kg
Acute inhalation toxicity : LC₅₀ (Rat): > 5.58 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: Not classified as acutely toxic by inhalation under GHS.
Remarks: No mortality observed at this dose.
Acute dermal toxicity : LD₅₀ (Rabbit): > 5,000 mg/kg
Remarks: No mortality observed at this dose.

PETROLEUM DISTILLATES:Acute oral toxicity : LD₅₀ (Rat): > 5,000 mg/kg

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Acute inhalation toxicity : **LC50 (Rat): > 5.58 mg/l**
Exposure time: **4 h**
Test atmosphere: **dust/mist**
Assessment: **Not classified as acutely toxic by inhalation under GHS.**
Remarks: **No mortality observed at this dose.**

Acute dermal toxicity : **LD50 (Rabbit): > 5,000 mg/kg**
Remarks: **No mortality observed at this dose.**

ORGANIC ACID ESTER:

Acute oral toxicity : **LD50 (Rat): > 2,000 mg/kg**
Method: **OECD Test Guideline 401**
GLP: **yes**
Assessment: **No adverse effect has been observed in acute oral toxicity tests.**

Acute dermal toxicity : **LD50 (Rat): > 2,000 mg/kg**
Method: **OECD Test Guideline 402**
GLP: **yes**
Assessment: **No adverse effect has been observed in acute dermal toxicity tests.**

REACTION PRODUCT OF ALKYLTHIOALCOHOL & SUBST. PHOSPHORUS CPD.:

Acute oral toxicity : **LD50 (Rat): > 2,000 mg/kg**
Method: **Directive 67/548/EEC, Annex V, B.1.**

Acute dermal toxicity : **LD50 (Rabbit): > 500 mg/kg**
Method: **Directive 67/548/EEC, Annex V, B.3.**
Assessment: **The component/mixture is classified as acute dermal toxicity, category 4.**

4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate:

Acute oral toxicity : **LD50 (Rat, male): > 10,000 mg/kg**

Skin corrosion/irritation

Not classified based on available information.

Components:**PETROLEUM DISTILLATES:**

Species: **Rabbit**
Result: **No skin irritation**

PETROLEUM DISTILLATES:

Species: **Rabbit**
Result: **No skin irritation**

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ORGANIC ACID ESTER:

Species: **Rabbit**
Method: **OECD Test Guideline 404**
Result: **No skin irritation**
GLP: **yes**

REACTION PRODUCT OF ALKYLTHIOALCOHOL & SUBST. PHOSPHORUS CPD.:

Result: **Corrosive to skin**

4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate:

Method: **EPISKIN Human Skin Model Test**
Result: **No skin irritation**

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Components:**PETROLEUM DISTILLATES:**

Species: **Rabbit**
Result: **No eye irritation**

PETROLEUM DISTILLATES:

Species: **Rabbit**
Result: **No eye irritation**

ORGANIC ACID ESTER:

Species: **Rabbit**
Result: **No eye irritation**
Method: **OECD Test Guideline 405**
GLP: **yes**

REACTION PRODUCT OF ALKYLTHIOALCOHOL & SUBST. PHOSPHORUS CPD.:


Result: **Corrosive**

4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate:

Species: **Rabbit**
Result: **Irritating to eyes.**

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

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Respiratory sensitisation: Not classified based on available information.

Components:

PETROLEUM DISTILLATES:

Test Type: **Buehler Test**
 Species: **Guinea pig**
 Assessment: **Does not cause skin sensitisation.**

PETROLEUM DISTILLATES:

Test Type: **Buehler Test**
 Species: **Guinea pig**
 Assessment: **Does not cause skin sensitisation.**

ORGANIC ACID ESTER:

Test Type: **Maximisation Test**
 Species: **Guinea pig**
 Assessment: **Does not cause skin sensitisation.**
 Method: **OECD Test Guideline 406**
 Result: **Does not cause skin sensitisation.**
 GLP: **yes**

REACTION PRODUCT OF ALKYLTHIOALCOHOL & SUBST. PHOSPHORUS CPD.:

Test Type: **Maximisation Test**
 Assessment: **Did not cause sensitisation on laboratory animals.**
 Method: **Directive 67/548/EEC, Annex V, B.6.**

4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate:

Test Type: **Buehler Test**
 Species: **Guinea pig**
 Assessment: **May cause sensitisation by skin contact.**
 Method: **OECD Test Guideline 406**

Germ cell mutagenicity

Not classified based on available information.

Components:

ORGANIC ACID ESTER:

Genotoxicity in vitro : Test Type: **Chromosome aberration test in vitro**
 Metabolic activation: **with and without metabolic activation**
 Method: **OECD Test Guideline 473**
 Result: **negative**
 GLP: **yes**

: Test Type: **Ames test**
 Metabolic activation: **with and without metabolic activation**
 Method: **OECD Test Guideline 471**
 Result: **negative**
 GLP: **yes**

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Genotoxicity in vivo : Test Type: **In vivo micronucleus test**
Test species: **Chinese hamster**
Method: **OECD Test Guideline 474**
Result: **negative**
GLP: **yes**

REACTION PRODUCT OF ALKYLTHIOALCOHOL & SUBST. PHOSPHORUS CPD.:

Genotoxicity in vitro : Test Type: **Ames test**
Method: **OECD Test Guideline 471**
Result: **positive**

: Method: **OECD Test Guideline 473**
Result: **negative**

Genotoxicity in vivo : Test Type: **In vivo micronucleus test**
Application Route: **Oral**
Result: **negative**

4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate:

Genotoxicity in vitro : Test Type: **Ames test**
Metabolic activation: **with and without metabolic activation**
Result: **negative**

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Components:**ORGANIC ACID ESTER:**

Effects on fertility : Species: **Mouse**
Application Route: **Oral**
Method: **OECD Test Guideline 415**
Result: **Animal testing did not show any effects on fertility.**
GLP: **yes**

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Reproductive toxicity**Components:****ORGANIC ACID ESTER:**

Species: **Rat, male and female**
NOAEL: **5 mg/kg**
Application Route: **Oral**

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Method: **OECD Test Guideline 407**
 GLP: **yes**

Aspiration toxicity

Not classified based on available information.

Components:

PETROLEUM DISTILLATES:

May be fatal if swallowed and enters airways.

PETROLEUM DISTILLATES:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

PETROLEUM DISTILLATES:

Toxicity to fish : **LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l**
 Exposure time: **96 h**
 Test Type: **static test**
 Test substance: **WAF**
 Method: **OECD Test Guideline 203**
 Remarks: **No toxicity at the limit of solubility**

Toxicity to daphnia and other aquatic invertebrates : **EL50 (Daphnia magna (Water flea)): > 10,000 mg/l**
 Exposure time: **48 h**
 Test Type: **static test**
 Test substance: **WAF**
 Method: **OECD Test Guideline 202**

Toxicity to algae : **NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l**
 End point: **Growth inhibition**
 Exposure time: **72 h**
 Test Type: **static test**
 Test substance: **WAF**
 Method: **OECD Test Guideline 201**

Toxicity to fish (Chronic toxicity) : **NOELR (Oncorhynchus mykiss (rainbow trout)): Calculated >= 1,000 mg/l**

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Exposure time: 14 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : **NOEL (Daphnia (water flea)): 10 mg/l**
 Exposure time: 21 d
 Test substance: WAF
 Method: OECD Test Guideline 211

PETROLEUM DISTILLATES:

Toxicity to fish : **LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l**
 Exposure time: 96 h
 Test Type: static test
 Test substance: WAF
 Method: OECD Test Guideline 203
 Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates : **EL50 (Daphnia magna (Water flea)): > 10,000 mg/l**
 Exposure time: 48 h
 Test Type: static test
 Test substance: WAF
 Method: OECD Test Guideline 202

Toxicity to algae : **NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l**
 End point: Growth inhibition
 Exposure time: 72 h
 Test Type: static test
 Test substance: WAF
 Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : **NOELR (Oncorhynchus mykiss (rainbow trout)): Calculated >= 1,000 mg/l**
 Exposure time: 14 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : **NOEL (Daphnia (water flea)): 10 mg/l**
 Exposure time: 21 d
 Test substance: WAF
 Method: OECD Test Guideline 211

ORGANIC ACID ESTER:

Toxicity to fish : **LC50 (Danio rerio (zebra fish)): > 100 mg/l**
 Exposure time: 96 h
 Test Type: static test
 Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : **EC50 (Daphnia magna (Water flea)): > 100 mg/l**
 Exposure time: 48 h
 Test Type: static test
 Test substance: WAF
 Method: OECD Test Guideline 202
 GLP: yes

Toxicity to algae : **EC50 (Desmodesmus subspicatus (green algae)): > 3 mg/l**
 Exposure time: 72 h

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	<p>Test Type: static test Method: OECD Test Guideline 201 GLP: yes Remarks: No toxicity at the limit of solubility</p> <p>NOEC (Desmodesmus subspicatus (green algae)): >= 3 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes Remarks: No toxicity at the limit of solubility</p>
Toxicity to fish (Chronic toxicity)	<p>: NOEC (Danio rerio (zebra fish)): 0.001 mg/l Exposure time: 36 d Test Type: flow-through test Test substance: WAF Method: OECD Test Guideline 210 GLP: yes</p>
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	<p>: NOEC (Daphnia magna (Water flea)): ca. 0.01 mg/l Exposure time: 21 d Test Type: semi-static test Method: OECD Test Guideline 211 GLP: yes Remarks: No toxicity at the limit of solubility</p>
Toxicity to bacteria	<p>: EC50 (activated sludge): > 100 mg/l Exposure time: 3 h Test Type: Static Method: OECD Test Guideline 209 GLP: yes</p>

Ecotoxicology Assessment

Chronic aquatic toxicity : **May cause long lasting harmful effects to aquatic life.**

REACTION PRODUCT OF ALKYLTHIOALCOHOL & SUBST. PHOSPHORUS CPD.:

Toxicity to fish	<p>: LC50 (Oncorhynchus mykiss (rainbow trout)): 1.5 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203</p>
Toxicity to daphnia and other aquatic invertebrates	<p>: EC50 (Water flea (Daphnia magna)): 0.09 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202</p>
Toxicity to algae	<p>: EC50 (Pseudokirchneriella subcapitata (green algae)): 0.31 mg/l Exposure time: 72 h Test Type: static test Method: Directive 67/548/EEC, Annex V, C.3.</p>
M-Factor (Acute aquatic)	<p>: 10</p>

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toxicity)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : **NOEC (Daphnia (water flea)): 0.14 mg/l**
Exposure time: **21 d**

4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate:

Toxicity to fish : **LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l**
Exposure time: **96 h**
Test substance: **WAF**

Toxicity to daphnia and other aquatic invertebrates : **EC50 (Daphnia magna (Water flea)): 0.062 mg/l**
Exposure time: **48 h**
Test Type: **semi-static test**

Toxicity to algae : **EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l**
End point: **Growth inhibition**
Exposure time: **72 h**
Test substance: **WAF**

M-Factor (Acute aquatic toxicity) : **10**

M-Factor (Chronic aquatic toxicity) : **1**

No data available

Persistence and degradability**Components:****PETROLEUM DISTILLATES:**

Biodegradability : Result: **Not readily biodegradable.**
Biodegradation: **2 - 4 %**
Exposure time: **28 d**
Method: **OECD Test Guideline 301B**

PETROLEUM DISTILLATES:

Biodegradability : Result: **Not readily biodegradable.**
Biodegradation: **2 - 4 %**
Exposure time: **28 d**
Method: **OECD Test Guideline 301B**

ORGANIC ACID ESTER:

Biodegradability : Result: **Not readily biodegradable.**
Biodegradation: **< 4 %**
Exposure time: **28 d**
Method: **OECD Test Guideline 301B**
GLP: **yes**

REACTION PRODUCT OF ALKYLTHIOALCOHOL & SUBST. PHOSPHORUS CPD.:

Biodegradability : Inoculum: **activated sludge**
Biodegradation: **52.9 %**
Exposure time: **60 d**

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Method: **OECD Test Guideline 301B**
 Remarks: **Information given is based on data obtained from similar substances.**
The 10 day time window criterion is not fulfilled.
Not readily biodegradable.

4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate:

Biodegradability : Result: **Not readily biodegradable.**
 Biodegradation: **11 - 14 %**
 Exposure time: **28 d**

No data available

Bioaccumulative potential

Components:

ORGANIC ACID ESTER:

Bioaccumulation : Species: **Fish**
 Bioconcentration factor (BCF): **260**
 Method: **OECD Test Guideline 305**
 Remarks: **The substance has low potential for bioaccumulation.**

Partition coefficient: n-octanol/water : log Pow: **Calculated 9.2**

4,4'-thiodiethylenehydrogen -2-octadecenylsuccinate:

Partition coefficient: n-octanol/water : log Pow: **Expected < 4**

No data available

Mobility in soil

Components:

No data available

Other adverse effects

No data available

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life., Harmful to aquatic life with long lasting effects.


Components:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice : The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Empty remaining contents.
 Dispose of as unused product.
 Empty containers should be taken to an approved waste handling site for recycling or disposal.

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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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INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

UN_DG

Not dangerous goods

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

Marine pollutant	no
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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

Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Control Order (CCO) : Not applicable

Priority Chemical List (PCL) : Not applicable

Other international regulations


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

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

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PICCS : On the inventory, or in compliance with the inventory
 IECSC : On the inventory, or in compliance with the inventory
 TSCA : On TSCA Inventory

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: 04/02/2018

Full text of H-Statements

H303 May be harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H413 May cause long lasting harmful effects to aquatic life.


Other information : 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 Valvoline's Environmental Health and Safety Department (1-800-VALVOLINE).

Sources of key data used to compile the Safety Data Sheet

Valvoline internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

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884910		

ACGIH : American Conference of Industrial Hygienists
 BEI : Biological Exposure Index
 CAS : Chemical Abstracts Service (Division of the American Chemical Society).
 CMR : Carcinogenic, Mutagenic or Toxic for Reproduction
 FG : Food grade
 GHS : Globally Harmonized System of Classification and Labeling of Chemicals.
 H-statement : Hazard Statement
 IATA : International Air Transport Association.
 IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization
 ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"
 IMDG : International Maritime Code for Dangerous Goods
 ISO : International Organization for Standardization
 logPow : octanol-water partition coefficient
 LCxx : Lethal Concentration, for xx percent of test population
 LDxx : Lethal Dose, for xx percent of test population.
 ICxx : Inhibitory Concentration for xx of a substance
 Ecxx : Effective Concentration of xx
 N.O.S.: Not Otherwise Specified
 OECD : Organization for Economic Co-operation and Development
 OEL : Occupational Exposure Limit
 P-Statement : Precautionary Statement
 PBT : Persistent , Bioaccumulative and Toxic
 PPE : Personal Protective Equipment
 STEL : Short-term exposure limit
 STOT : Specific Target Organ Toxicity
 TLV : Threshold Limit Value
 TWA : Time-weighted average
 vPvB : Very Persistent and Very Bioaccumulative
 WEL : Workplace Exposure Level

CEATOX
 Assistance Center of the Institute of Toxicology
 Children's Hospital Clinic, Faculty of Medicine
 University of São Paulo.
 BR OEL : Occupational Exposure Limit (Brazil)
 UY OEL : Occupational Exposure Limit (Uruguay)
 PY OEL : Occupational Exposure Limit (Paraguay)