

SHUTTLE® O

EPA Registration Number: 66330-38-59807

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product form Mixture
Product name SHUTTLE® O
EPA Registration No. 66330-38-59807

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

Use of the substance/mixture Acaracide

Company information OHP, Inc.
PO Box 51230
Mainland, PA 19451
(800) 659-6745

Emergency telephone number

TRANSPORTATION EMERGENCY (24 hours a day) call Chemtrec: 1-800-424-9300

MEDICAL EMERGENCY (24 hours a day) and Product Information call 1-800-356-4647

SDS Information or Request ohp.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS-US classification

Acute Tox. 4 (Inhalation:dust,mist) H332
STOT SE 1 H370
STOT RE 2 H373
Aquatic Acute 1 H400
Aquatic Chronic 2 H411
Full text of H-phrases see section 16

Label elements

GHS-US labelling

Hazard pictograms (GHS-US):



GHS07 GHS08 GHS09

Signal word (GHS-US) Danger

Hazard statements (GHS-US) :

H332 - Harmful if inhaled
H370 - Causes damage to organs
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US)

P260 - Do not breathe mist/vapours/spray
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P307 + P311 - If exposed: Call a poison center/doctor
P312 - Call a poison center/doctor if you feel unwell
P314 - Get medical advice/attention if you feel unwell
P321 - Specific treatment (see Section 4 on this label)
P391 - Collect spillage
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local and national regulations.

Other hazards : No additional information available

Unknown acute toxicity (GHS-US)

5.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral).
5.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal).
5.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances : Not applicable

Mixture

Name	Product identifier	%	GHS-US classification
3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (Acequinocyl) (main constituent)	(CAS No) 57960-19-7	15.8	Skin Sens. 1, H317 STOT SE 1, H370 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases : see section 16

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4. FIRST AID MEASURES

Description of first aid measures

First-aid measures

general: Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician.

First-aid measures

after inhalation: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after

skin contact: Wash with plenty of soap and water.

First-aid measures after

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

First-aid measures

after ingestion: Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Causes damage to organs (whole body, liver, blood). May cause damage to organs (whole body, liver, blood) (through prolonged or repeated exposure).

Symptoms/injuries

after inhalation: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.

Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing

media: Dry powder. Foam. Carbon dioxide. Water spray.

Unsuitable extinguishing

media: Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Fire hazard: No particular fire or explosion hazard.

Reactivity: No dangerous reactions known.

Advice for firefighters

Firefighting instructions . . .: Cool adjacent structures and containers with water spray to protect and prevent ignition. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during

firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures: Avoid all eyes and skin contact and do not breathe vapour and mist. Process enclosures, closed systems, and local exhaust ventilation should be used to control exposures.

For non-emergency personnel

Protective equipment: Wear suitable gloves. In case of inadequate ventilation wear respiratory protection.

Emergency procedures . . .: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Wear suitable gloves. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.

Emergency procedures . . .: Ventilate area.

Environmental

precautions: Prevent entry to sewers and public waters. Prevent dispersion.

Methods and material for containment and cleaning up

For containment: Absorb and/or contain spill with inert material, then place in suitable container.

Methods for cleaning up . . .: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up in non-combustible absorbent material and shove into container for disposal.

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Reference to other sections

Section 13: disposal information.
Section 7: safe handling.
Section 8: personal protective equipment.

Respiratory protection . . . : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear approved mask. Use an approved respirator equipped with oil/mist cartridges.

Other information : Do not eat, drink or smoke when using this product.

7. HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling : Do not breathe mist, spray, vapours. Use only outdoors or in a well-ventilated area.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe storage, including any incompatibilities

Storage conditions : Do not store near food, foodstuffs, drugs, or potable water supplies. Keep only in the original container in a cool well ventilated place. Keep container tightly closed.

Incompatible products . . . : None known.

Specific end use(s) : Acaracide

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (57960-19-7)	
ACGIH	Not applicable
OSHA	Not applicable

Exposure controls

Appropriate engineering controls : Avoid creating mist or spray. Avoid splashing. Ensure good ventilation of the work station.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear suitable protective clothing and gloves. Impermeable protective nitrile gloves.

Eye protection : Chemical goggles or safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state : Liquid
Colour : pale; yellow
Odour : Detergent-like.
Odour threshold : No data available
pH : 7.1

Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : 100 °C
Flash point : > 93° C

Self ignition temperature . . : No data available
Decomposition temperature : No data available
Flammability (solid, gas) . . : No data available
Vapour pressure : No data available

Relative vapour density at 20 °C : No data available
Relative density : 1.02 - 1.05 @ 20° C
Solubility : No data available
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : 405.95 cP cS

Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

Other information : No additional information available

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10. STABILITY AND REACTIVITY

Reactivity: No dangerous reactions known.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: Burning produces irritating, toxic and noxious fumes.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Inhalation:dust/mist: Harmful if inhaled.

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LD50 oral rat: 5000 mg/kg

LD50 oral mouse: 5000 mg/kg

LD50 dermal rat: > 2000 mg/kg

LC50 inhalation rat (mg/l) : 4.49 mg/l/4h

Skin corrosion/irritation: Not classified – Non-irritating to skin in rabbits.

Serious eye damage/irritation: Not classified – minimally irritating to the eye in rabbits.

Respiratory or skin sensitisation: Not classified – not a skin sensitizer in Guinea pigs.

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Causes damage to organs.

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.

Likely routes

of exposure: Skin and eyes contact, inhalation

12. ECOLOGICAL INFORMATION

Toxicity

Ecology - water: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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LC50 fishes 1: 65 mg/l 96 h
Oncorhynchus mykiss

LC50 other aquatic organisms 1: 0.93 mg/l 96 h
Pseudokirchneriella subcapitata

EC50 Daphnia 1: 0.0154 mg/l 48 h

EC50 other aquatic organisms 1: 0.00236 mg/l 48 h
Daphnia magna

Persistence and degradability

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Persistence and degradability: Not rapidly degradable. May cause long-term adverse effects in the environment.

Bioaccumulative potential

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (57960-19-7)

BCF fish 1: 366

Log Pow: 6.2

Mobility in soil

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (57960-19-7)

Mobility in soil: Immobile in soil

Other adverse effects

Effect on ozone layer: No known ecological damage caused by this product.

Effect on the global warming: No known ecological damage caused by this product.

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13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste treatment methods: Dispose of in authorized waste collection plant.

Sewage disposal recommendations: Do not dispose of waste into sewer.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Disposal via incineration is recommended.

14. TRANSPORT INFORMATION

In accordance with DOT
Not considered a dangerous good for transport regulations

Additional information

Other information: No supplementary information available.

ADR

Transport document description: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acequinocyl), 9, III, (E)

Packing group (ADR): III

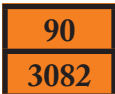
Class (ADR): 9 - Miscellaneous dangerous substances and articles

Hazard identification number (Kemler No.): 90

Classification code (ADR): M6

Danger labels (ADR): 9 - Miscellaneous dangerous compounds



Orange plates: 

Tunnel restriction code (ADR): E

LQ: 5L

Excepted quantities (ADR): E1

Transport by sea

UN-No. (IMDG): 3082

Proper Shipping Name (IMDG)

Name (IMDG): UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acequinocyl)

Class (IMDG): 9 - Miscellaneous dangerous substances and articles

Packing group (IMDG): III - substances presenting low danger

Marine Pollutant: Yes



Air transport

UN-No.(IATA): 3082

Proper Shipping Name (IATA)

Name (IATA): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acequinocyl)

Class (IATA): 9 - Miscellaneous Dangerous Goods

Packing group (IATA): III - Minor Danger

15. REGULATORY INFORMATION

US Federal regulations

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (57960-19-7): Not listed on the United States TSCA (Toxic Substances Control Act) inventory

International regulations

CANADA

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WHMIS

Classification: Class D Division 2 Subdivision B - Toxic material causing other toxic effects

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (57960-19-7): Not listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (57960-19-7): Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

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Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4

(Inhalation:dust,mist) . . . : H332

STOT SE 1 : H370

STOT RE 2 : H373

Aquatic Acute 1 : H400

Aquatic Chronic 2 : H411

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

T; R39/23

Xn; R20

N; R50/53

National regulations

3-dodecyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl acetate (57960-19-7). : Not listed on the Canadian Non-Domestic Substances List (NDSL).

US State regulations : Not listed

16. OTHER INFORMATION

Indication of changes : Original Document.

Data sources : European Chemicals

Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.

Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

National Fire Protection Association; Fire Protection Guide to Hazardous Materials; 10th edition.

OSHA 29CFR 1910.1200 Hazard Communication Standard.

TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Abbreviations and

acronyms : ACGIH (American Conference of Government Industrial Hygienists).

ATE: Acute Toxicity Estimate.

CAS (Chemical Abstracts Service) number.

CLP: Classification, Labelling, Packaging.

EC50: Environmental Concentration associated with a response by 50% of the test population.

GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).

LD50: Lethal Dose for 50% of the test population.

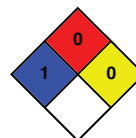
OSHA: Occupational Safety & Health Administration.

TSCA: Toxic Substances Control Act.

Other information : None.

Full text of H-phrases:

Acute Tox. 4 (Inhalation: dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Skin Sens. 1	Skin sensitisation Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects



NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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