	Page: 1
SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name : Escalol™ 507
 UV filters
 ™ Trademark, Ashland or its subsidiaries, registered in various countries

Substance name : 2-Ethylhexyl 4-(dimethylamino)benzoate

Substance No.
 EC-No. : 244-289-3

CAS-No. : 21245-02-3

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

Recommended use : Personal care

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 1-614-790-3333 (customer service) Product Information 1-614-790-3333
---	---

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Reproductive toxicity : Category 1B

GHS label elements

**SAFETY DATA SHEET**

Revision Date: 09/22/2020

Print Date: 11/24/2020

SDS Number: R0717856

Version: 1.6

Escalol™ 507 UV filters
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
 827712

Hazard pictograms

:



Signal Word

: Danger

Hazard Statements

: May damage fertility. May damage the unborn child.

Precautionary Statements

: **Prevention:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF exposed or concerned: Get medical advice/ attention.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Substance

Chemical nature

: Defatter

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
2-Ethylhexyl-p-dimethylaminobenzoate	21245-02-3	Repr. 1B; H360FD	99.50

SECTION 4. FIRST AID MEASURES

General advice

: Move out of dangerous area.

Call a POISON CENTRE or doctor/physician if exposed or you feel unwell.

Show this safety data sheet to the doctor in attendance.



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

Do not leave the victim unattended.

- 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 : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : Obtain medical attention.
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 : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
May damage fertility. May damage the unborn child.
- 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
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Nitrogen oxides (NO_x)

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

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

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 : Ensure adequate ventilation.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

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.

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

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours/dust.
Do not smoke.
Container hazardous when empty.
Smoking, eating and drinking should be prohibited in the application area.



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : 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 : In the case of vapour formation use a respirator with an approved filter within the capabilities of the respirator/filter combination.
Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.

Hand protection

Material : butyl-rubber
Break through time : 480 min
Glove thickness : > 0.5 mm

Remarks : The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

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

Skin and body protection : Wear resistant gloves (consult your safety equipment supplier).
Wear as appropriate:



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

Impervious clothing
Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Physical state	: liquid
Colour	: light yellow
Odour	: slight, amine-like
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: not determined
Boiling point/boiling range	: 684.0 °F / 362.2 °C
Flash point	: 198.9 °C
Evaporation rate	: not determined
Flammability (liquids)	: not determined
Upper explosion limit	: Upper explosion limit not determined
Lower explosion limit	: Lower explosion limit not determined
Vapour pressure	: not determined
Relative vapour density	: not determined
Relative density	: No data available
Density	: 0.99 - 1.0 g/cm ³ (25 °C)
Solubility(ies)	
Water solubility	: insoluble



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: not determined
Viscosity, kinematic	: not determined
Oxidizing properties	: Not applicable

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 acids strong bleaching agents Strong oxidizing agents
Hazardous decomposition products	Nitrogen oxides (NO _x)

SECTION 11. TOXICOLOGICAL INFORMATION

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

Acute toxicity

Not classified based on available information.

Components:



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

2-Ethylhexyl-p-dimethylaminobenzoate:
Acute oral toxicity : LD50 (Rat, male and female): 14,900 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: Repeated exposure may cause skin dryness or cracking.

Components:

2-Ethylhexyl-p-dimethylaminobenzoate:

Species: Rabbit

Result: No skin irritation

Species: human skin

Method: OECD Test Guideline 431

Result: No skin irritation

GLP: yes

Species: reconstructed human epidermis (RhE)

Method: OECD Test Guideline 439

Result: No skin irritation

GLP: yes

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Components:

2-Ethylhexyl-p-dimethylaminobenzoate:

Species: Rabbit

Result: Slight, transient irritation

Species: Bovine cornea

Result: No eye irritation

Method: OECD Test Guideline 437

GLP: yes

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Components:

2-Ethylhexyl-p-dimethylaminobenzoate:

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

Method: OECD Test Guideline 406

Germ cell mutagenicity

Not classified based on available information.

Components:

2-Ethylhexyl-p-dimethylaminobenzoate:

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

: Test Type: Chromosome aberration test in vitro
Result: negative

Genotoxicity in vivo

: Test Type: In vivo micronucleus test
Test species: Mouse
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

May damage fertility. May damage the unborn child.

Components:

2-Ethylhexyl-p-dimethylaminobenzoate:

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, based on animal experiments.
May damage the unborn child.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

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.

**SAFETY DATA SHEET**

Revision Date: 09/22/2020

Print Date: 11/24/2020

SDS Number: R0717856

Version: 1.6

Escalol™ 507 UV filters
™ Trademark, Ashland or its subsidiaries, registered
in various countries
827712

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.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

Components:

2-Ethylhexyl-p-dimethylaminobenzoate:

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202
GLP: yes
Remarks: No toxicity at the limit of solubility

Toxicity to algae : (Pseudokirchneriella subcapitata (microalgae)): End point:
Growth inhibition
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes
Remarks: No toxicity at the limit of solubility

Persistence and degradability**Product:**

Biodegradability : Result: Readily biodegradable.
Biodegradation: 85 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

Components:

2-Ethylhexyl-p-dimethylaminobenzoate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 85 %
Exposure time: 28 d
Method: OECD Test Guideline 301B



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

No data available

Bioaccumulative potential

Components:

No data available

Mobility in soil

Components:

2-Ethylhexyl-p-dimethylaminobenzoate:

Distribution among environmental compartments : log Koc: 4.4
Method: OECD Test Guideline 121

No data available

Other adverse effects

No data available

Product:

Additional ecological information : No data available

Components:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

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

Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

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.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

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

**SAFETY DATA SHEET**

Revision Date: 09/22/2020

Print Date: 11/24/2020

SDS Number: R0717856

Version: 1.6

Escalol™ 507 UV filters
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
 827712

U.S. DOT - ROAD

Not dangerous goods

CFR_RAIL_C

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TDG_ROAD_C

Not dangerous goods

TDG_RAIL_C

Not dangerous goods

TDG_INWT_C

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods


MX_DG

Not dangerous goods

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

Marine pollutant

no

	Page: 13
SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

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

TSCA list

No substances are subject to TSCA 12(b) export notification requirements.

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 : Reproductive toxicity

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.

US State Regulations

Pennsylvania Right To Know

2-Ethylhexyl-p-dimethylaminobenzoate 21245-02-3

New Jersey Right To Know

2-Ethylhexyl-p-dimethylaminobenzoate 21245-02-3

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.



SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

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
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory
- TCSI : On the inventory, or in compliance with the inventory
- TSCA : On or in compliance with the active portion of the TSCA inventory

Inventories

AICS (Australia), AIIIC (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

**SAFETY DATA SHEET**

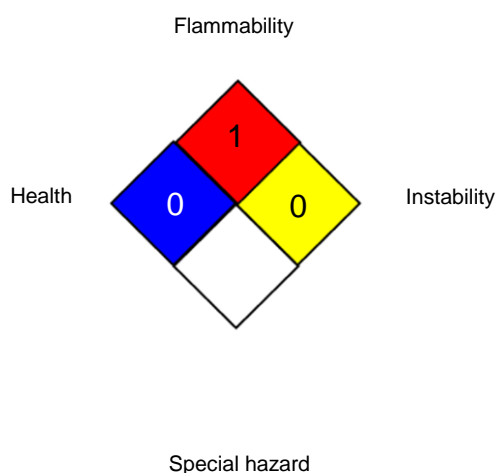
Revision Date: 09/22/2020

Print Date: 11/24/2020

SDS Number: R0717856

Version: 1.6

Escalol™ 507 UV filters
 ™ Trademark, Ashland or its subsidiaries, registered
 in various countries
 827712

NFPA 704:**HMIS® IV:**

HEALTH	*	0
FLAMMABILITY		1
PHYSICAL HAZARD		0


HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of H-Statements

H360FD May damage fertility. May damage the unborn child.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; AIIC - Australian Inventory of Industrial Chemicals; 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

	Page: 16
SAFETY DATA SHEET	Revision Date: 09/22/2020
	Print Date: 11/24/2020
	SDS Number: R0717856
Escalol™ 507 UV filters ™ Trademark, Ashland or its subsidiaries, registered in various countries 827712	Version: 1.6

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 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

This sds has been prepared by Ashland. (<http://www.ashland.com>)

Sources of key data used to compile the Safety Data Sheet : Ashland internal data including own and sponsored test reports
 European Union Law with content from the Official Journal of the European Union.
 European Chemicals Agency; the EU authority implementing the EU's chemicals legislation for companies.
 The German Water Hazard Classes.
 ReachCentrum; a series of support services to help comply with REACH regulations.
 The European Commission; proposing legislation, administering and implementing EU policies, and enforcing EU law.
 The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.
 Cefic, the European Chemical Industry Council.
 ESIS European Chemical Substances Information System

Revision Date : 09/22/2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN