

**SAFETY DATA SHEET**

Revision Date: 02/22/2018

Print Date: 11/30/2020

SDS Number: R0717874

Version: 1.3

Escalol™ HP UV filters  
™ Trademark, Ashland or its subsidiaries, registered  
in various countries  
838668

29 CFR 1910.1200 (OSHA HazCom 2012)

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

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

Substance name n-dodecyl-[3-(4-  
dimethylamino)benzamido)propyl]dimethylammonium  
tosylate

Substance No.  
Index-No. 601-057-00-X  
  
EC-No. 421-130-8  
  
CAS-No. 156679-41-3

**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

EHSPProductSafety@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 :  
  
Serious eye damage : Category 1  
  
Skin sensitization : Category 1

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**GHS label elements**

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: May form combustible dust concentrations in air.  
May cause an allergic skin reaction.  
Causes serious eye damage.

Precautionary Statements

: **Prevention:**  
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/ eye protection/ face protection.  
Keep dust/air mixtures away from ignition sources.  
**Response:**  
IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Wash contaminated clothing before reuse.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture

: Substance

**Hazardous components**

Chemical name	CAS-No.	Classification	Concentration (%)
1-Dodecanaminium, N-[3-[[4-	156679-41-3	Comb Dust	100.00



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(dimethylamino)benzoyl]amino]pr  
 opyl]-N,N-dimethyl-, salt with 4-  
 methylbenzenesulfonic acid (1:1)

Eye Dam. 1; H318

Skin Sens. 1; H317

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
 Consult a physician.  
 Show this safety data sheet to the doctor in attendance.  
 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 : Remove contaminated clothing. If irritation develops, get  
 medical attention.  
 If on skin, rinse well with water.  
 First aid is not normally required. However, it is  
 recommended that exposed areas be cleaned by washing  
 with soap and water.  
 Wash contaminated clothing before re-use.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty  
 of water and seek medical advice.  
 Continue rinsing eyes during transport to hospital.  
 Remove contact lenses.  
 Protect unharmed eye.
- If swallowed : Obtain medical attention.  
 Do NOT induce vomiting.  
 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:  
 stomach or intestinal upset (nausea, vomiting, diarrhea)  
 irritation (nose, throat, airways)  
 May cause an allergic skin reaction.  
 Causes serious eye damage.



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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
- Unsuitable extinguishing media : High volume water jet
- 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  
 Amines  
 nitrogen oxides (NOx)
- 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 : Use personal protective equipment.  
 Avoid dust formation.  
 Avoid breathing dust.  
 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



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respective authorities.

Methods and materials for containment and cleaning up : 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.  
 Do not breathe vapours/dust.  
 Do not smoke.  
 Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
 Container hazardous when empty.  
 Avoid exposure - obtain special instructions before use.  
 Avoid contact with skin and eyes.  
 Smoking, eating and drinking should be prohibited in the application area.  
 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.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 No smoking.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Hazardous components without workplace control parameters

Components	CAS-No.
1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid	156679-41-3



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(1:1)

**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.  
 Provide appropriate exhaust ventilation at places where dust is formed.

### Personal protective equipment

Hand protection

Remarks

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Wear chemical splash goggles and face shield to protect eyes and skin from airborne dust.  
 Maintain eye wash station in immediate work area.

Skin and body protection

: Wear as appropriate:  
 Safety shoes  
 Dust impervious protective suit  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Discard gloves that show tears, pinholes, or signs of wear.  
 Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures

: Avoid breathing dust.  
 Wash hands before breaks and at the end of workday.  
 When using do not eat or drink.  
 When using do not smoke.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder  
 Physical state : solid  
 Colour : white, beige  
 Odour : No data available  
 Odour Threshold : No data available  
 pH : 6 - 9  
 Concentration: 1 %



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Melting point/freezing point : 277 °F / 136 °C

Boiling point/boiling range : No data available

Flash point : Not applicable

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 : No data available

Solubility(ies)  
 Water solubility : 0.00016 g/l (20 °C)

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.



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Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.

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

Hazardous decomposition products : Amines  
 carbon dioxide and carbon monoxide  
 nitrogen oxides

## 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:

1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:1):

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

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
 Assessment: Not classified as acutely toxic by dermal absorption under GHS.

### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Remarks: May cause skin irritation in susceptible persons.

#### Components:

1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:1):

Result: Slight, transient irritation

### Serious eye damage/eye irritation

Causes serious eye damage.

#### Product:

Remarks: May cause irreversible eye damage.





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### **Components:**

1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:1):

Result: Corrosive

### **Respiratory or skin sensitisation**

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

### **Components:**

1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:1):

Assessment: May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified based on available information.

### **Components:**

1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:1):

Genotoxicity in vitro : Test Type: Ames test  
 Result: negative

: Test Type: Chromosome aberration test in vitro  
 Test species: Human lymphocytes  
 Result: negative

### **Carcinogenicity**

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

### **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.



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### 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

Acute aquatic toxicity : Acute aquatic toxicity Category 1; Very toxic to aquatic life.

Chronic aquatic toxicity : Chronic aquatic toxicity Category 1; Very toxic to aquatic life with long lasting effects.

#### Components:

1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:1):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 10.7 mg/l  
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.6 mg/l  
 Exposure time: 48 h

Toxicity to algae : EC50 (algae): 0.064 mg/l  
 Exposure time: 72 h

### Persistence and degradability

#### Components:

1-Dodecanaminium, N-[3-[[4-(dimethylamino)benzoyl]amino]propyl]-N,N-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:1):

Biodegradability : Result: Not readily biodegradable.

No data available

### Bioaccumulative potential

#### Components:

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., Very toxic to aquatic life

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

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

## 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.

**U.S. DOT - ROAD**

Not dangerous goods	MARINE POLLUTANT:( DIMETHYLPA BAMIDOPROP YL LAURDIMONI UM TOSLYLATE)

CFR\_RAIL\_C

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Not dangerous goods

MARINE  
POLLUTANT:(  
DIMETHYLPA  
BAMIDOPROP  
YL  
LAURDIMONI  
UM  
TOSLYLATE)

**U.S. DOT - INLAND WATERWAYS**

Not dangerous goods

MARINE  
POLLUTANT:(  
DIMETHYLPA  
BAMIDOPROP  
YL  
LAURDIMONI  
UM  
TOSLYLATE)

**TDG\_ROAD\_C**

Not dangerous goods

**TDG\_RAIL\_C**

Not dangerous goods

**TDG\_INWT\_C**

Not dangerous goods

MARINE  
POLLUTANT:(  
DIMETHYLPA  
BAMIDOPROP  
YL  
LAURDIMONI  
UM  
TOSLYLATE)

**INTERNATIONAL MARITIME DANGEROUS GOODS**



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UN	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIMETHYLPABAMIDOPROPY L LAURDIMONIUM TOSLYLATE)	9	III	MARINE POLLUTANT:( DIMETHYLPABAMIDOPROP YL LAURDIMONI UM TOSLYLATE)
----	------	--	---	-----	---

### INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	3077	Environmentally hazardous substance, solid, n.o.s. (DIMETHYLPABAMIDOPROPY L LAURDIMONIUM TOSLYLATE)	9	III
----	------	---	---	-----

### INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	3077	Environmentally hazardous substance, solid, n.o.s. (DIMETHYLPABAMIDOPROPY L LAURDIMONIUM TOSLYLATE)	9	III
----	------	---	---	-----

### MX\_DG

UN	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIMETHYLPABAMIDOPROPY L LAURDIMONIUM TOSLYLATE)	9	III
----	------	--	---	-----

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

Marine pollutant	yes
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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.

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**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  
Serious eye damage or eye irritation  
Respiratory or skin sensitisation

**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.

**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:**

TSCA : This product is regulated under the United States Food and Drug Act (FDA).

DSL : q (quantity restricted)

AICS : On the inventory, or in compliance with the inventory

ENCS : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the 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)



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### SECTION 16. OTHER INFORMATION

#### Further information

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

#### NFPA Flammable and Combustible Liquids Classification

Not applicable

#### Full text of H-Statements

H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.

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).

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**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 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