

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** MATRIX BIOLAGE SCALP SYNC ANTI-DANDRUFF SHAMPOO

**Other means of identification**

**SDS number** 00-11-0001302

**Recommended use** Personal care product used for cosmetic effect.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**US Address:** L'Oreal USA Products, Inc  
133 Terminal Avenue  
Clark, NJ 07066  
USA

**Canadian Address:** L'Oreal Canada  
4895 rue Hickmore  
Ville St-Laurent, H4T 1K5  
Canada

**Emergency Phone # :** 1-800-535-5053 (International: 352-323-3500)  
In Canada - 1-613-996-6666 (Canutec (\*666 Cellular))

**For further information:** 1-732-499-2741

**Poison Control # :** 412-390-3326

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Reproductive toxicity (the unborn child)	Category 1B
Specific target organ toxicity, repeated exposure	Category 1

**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger

**Hazard statement** Causes skin irritation. Causes serious eye damage. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

<b>Response</b>	If on skin: Wash with plenty of 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 occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
SODIUM LAURETH SULFATE		68891-38-3	< 11
GLYCERIN		56-81-5	< 3
SODIUM LAURYL SULFATE		85586-07-8	≤ 4
COCAMIDE MEA		90622-77-8	< 2
HEXYLENE GLYCOL		107-41-5	≤ 1
ZINC PYRITHIONE		13463-41-7	≤ 1

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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**Methods and materials for containment and cleaning up**

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

**Environmental precautions****7. Handling and storage****Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection****Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
GLYCERIN (CAS 56-81-5)	TWA	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
HEXYLENE GLYCOL (CAS 107-41-5)	STEL	10 mg/m <sup>3</sup>	Aerosol, inhalable.
		50 ppm	Vapor fraction
		25 ppm	Vapor fraction

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
HEXYLENE GLYCOL (CAS 107-41-5)	Ceiling	125 mg/m <sup>3</sup>
		25 ppm

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece.

**Skin protection****Hand protection**

Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

<b>Other</b>	Applicable for industrial settings only. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Color</b>	Opalescent.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	5 - 5.6
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	> 212 °F (> 100 °C)
<b>Flash point</b>	> 199.4 °F (> 93.0 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	>= 1.02 g/cm <sup>3</sup>
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

### Information on toxicological effects

**Acute toxicity** Not known.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
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MATRIX BIOLAGE SCALP SYNC ANTI-DANDRUFF SHAMPOO

#### Acute

##### **Oral**

ATEmix		13310 mg/kg
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<b>Components</b>	<b>Species</b>	<b>Test Results</b>
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GLYCERIN (CAS 56-81-5)

#### Acute

##### **Dermal**

LD50	Rabbit	> 18700 mg/kg bw
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##### **Inhalation**

LC50	Rat	> 570 mg/L air, 1 h
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##### **Oral**

LD50	Rat	27200 mg/kg bw
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HEXYLENE GLYCOL (CAS 107-41-5)

#### Acute

##### **Dermal**

LD50	Rat	> 2000 mg/kg OECD 402
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##### **Inhalation**

LC50	Rat	> 60 ml/m <sup>3</sup> air, 8 h OECD 403
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##### **Oral**

LD50	Rat	> 2000 mg/kg OECD 420
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SODIUM LAURETH SULFATE (CAS 68891-38-3)

#### Acute

##### **Dermal**

LD50		> 2000 mg/kg OECD 402
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##### **Oral**

LD50		2870 mg/kg OECD 401
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SODIUM LAURYL SULFATE (CAS 85586-07-8)

#### Acute

##### **Dermal**

LD50	Rabbit	> 2000 mg/kg
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##### **Oral**

LD50	Rat	1800 mg/kg
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ZINC PYRITHIONE (CAS 13463-41-7)

#### Acute

##### **Dermal**

LD50	Rabbit	> 2000 mg/kg EPA OPP 81-2
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Components	Species	Test Results
<b>Inhalation</b>		
LC50	Rat	1.03 mg/l, 4 h OECD 403
<b>Oral</b>		
LD50	Rat	269 mg/kg OECD 401
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Irritation Corrosion - Skin</b>		
SODIUM LAURETH SULFATE		OECD 404 Result: Irritating Species: Rabbit
SODIUM LAURYL SULFATE		OECD 404 Result: Irritating Species: Rabbit
ZINC PYRITHIONE		OECD 404 Result: Not Irritating Species: Rabbit
HEXYLENE GLYCOL		OECD 405 Result: Slightly irritating Species: Rabbit
GLYCERIN		Result: Not Irritating Species: Rabbit
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.	
<b>Irritation Corrosion - Eye</b>		
ZINC PYRITHIONE		OECD 405 Result: Corrosive Species: Rabbit
HEXYLENE GLYCOL		OECD 405 Result: Slightly irritating Species: Rabbit
SODIUM LAURYL SULFATE		OECD 405, (>=20%) Result: Corrosive Species: Rabbit
SODIUM LAURETH SULFATE		OECD 405, (>= 10%) Result: Serious eye damage Species: Rabbit
		OECD 405, (>=5% - <10%) Result: Irritating Species: Rabbit
HEXYLENE GLYCOL		Result: Irritating Species: Human
GLYCERIN		Result: Not Irritating Species: Rabbit
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Sensitization</b>		
ZINC PYRITHIONE		OECD 406 Result: Not Sensitizing Species: Guinea pig
<b>Skin sensitization</b>		
GLYCERIN		167 mg/m3 air OECD 413, Inhalation Result: NOAEL Species: Rat Test Duration: 90 d
HEXYLENE GLYCOL		OECD 406 Result: Not Sensitizing Species: Guinea pig
SODIUM LAURETH SULFATE		OECD 406 Result: Not Sensitizing Species: Guinea pig
SODIUM LAURYL SULFATE		OECD 406 Result: Not Sensitizing Species: Guinea pig

<b>Skin sensitization</b>		
GLYCERIN		Result: Not Sensitizing Species: Guinea pig
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Mutagenicity</b>		
GLYCERIN		Result: In vitro and in vivo tests did not show mutagenic effects.
SODIUM LAURETH SULFATE		Result: In vitro and in vivo tests did not show mutagenic effects.
SODIUM LAURYL SULFATE		Result: In vitro and in vivo tests did not show mutagenic effects.
ZINC PYRITHIONE		Result: In vitro and in vivo tests did not show mutagenic effects.
HEXYLENE GLYCOL		Result: In vitro tests did not show mutagenic effects
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	Not listed.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>	Not regulated.	
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	Not listed.	
<b>Reproductive toxicity</b>	May damage the unborn child.	
<b>Developmental effects</b>		
ZINC PYRITHIONE		0.75 mg/kg bw/d EPA OPP 83-3 Result: NOAEL Species: Rat
SODIUM LAURETH SULFATE		1000 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat
GLYCERIN		1310 mg/kg bw/d, No effects on development Result: NOAEL Species: Rat
SODIUM LAURYL SULFATE		250 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat
HEXYLENE GLYCOL		300 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat
<b>Reproductivity</b>		
HEXYLENE GLYCOL		1000 mg/kg bw/d OECD 421 Result: NOEL Species: Rat
GLYCERIN		2000 mg/kg bw/d, No effects on fertility Result: NOAEL Species: Rat
SODIUM LAURETH SULFATE		300 mg/kg bw/d OECD 416 Result: NOAEL Species: Rat
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.	
SODIUM LAURETH SULFATE		>= 225 mg/kg bw/d OECD 408 Result: NOAEL Species: Rat Test Duration: 90 d
ZINC PYRITHIONE		0.5 mg/kg bw/d OECD 453, Oral Result: NOAEL Species: Rat Test Duration: 728 d

**Specific target organ toxicity - repeated exposure**

ZINC PYRITHIONE

0.5 mg/m<sup>3</sup> air EPA OPP 82-4, Inhalation  
Result: NOAEL  
Species: Rat  
Test Duration: 90 d

HEXYLENE GLYCOL

100 mg/kg bw/d EPA OPP 82-3, Dermal  
Result: NOAEL  
Species: Rat  
Test Duration: 90 d

SODIUM LAURYL SULFATE

450 mg/kg bw/d OECD 408, Oral  
Result: NOAEL  
Species: Rat

GLYCERIN

488 mg/kg bw/d OECD 408  
Result: NOAEL  
Species: Rat  
Test Duration: 13 weeks8000 mg/kg bw/d, Oral  
Result: NOAEL  
Species: Rat  
Test Duration: 2 yr**Aspiration hazard**

Not an aspiration hazard.

**Chronic effects**

Causes damage to organs through prolonged or repeated exposure.

**Further information**

The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

**12. Ecological information****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
GLYCERIN (CAS 56-81-5)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC0	Scenedesmus quadricauda	> 10000 mg/l, 192 h
Crustacea	EC50	Daphnia magna	1955 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss	54000 mg/l, 96 h
Other	NOEC	Pseudomonas putida	> 10000 mg/l, 16 h
HEXYLENE GLYCOL (CAS 107-41-5)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	> 429 mg/l, 72 hours OECD 201
Crustacea	EC50	Daphnia magna	5410 mg/l, 48 hours OECD 202
Fish	LC50	Pimephales promelas	10700 mg/l, 96 hours OECD 203
Other	NOEC	Pseudomonas aeruginosa	200 mg/l, 10 days
SODIUM LAURETH SULFATE (CAS 68891-38-3)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Desmodesmus subspicatus	27 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	7.2 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	7.1 mg/l, 96 h OECD 203
Other	EC50	Pseudomonas putida	> 10000 mg/l, 16 h DIN 38412 - 8
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	0.27 mg/l, 21 d OECD 211
Fish	NOEC	Oncorhynchus mykiss	0.14 mg/l, 28 d OECD 204



Components	Species	Test Results
<b>SODIUM LAURYL SULFATE (CAS 85586-07-8)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Desmodesmus subspicatus > 20 mg/l, 72 h EU C.3
Crustacea	EC50	Daphnia magna 4.7 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss 3.6 mg/l, 96 h OECD 203
Other	EC50	Pseudomonas putida 1083 mg/l, 16 h DIN 38412
<i>Chronic</i>		
Algae	NOEC	Desmodesmus subspicatus 0.6 mg/l, 72 h EU C.3
Crustacea	NOEC	Daphnia magna 0.508 mg/l, 21 d
Fish	NOEC	Pimephales promelas 0.11 - 0.35 mg/l, 34 d OECD 210
<b>ZINC PYRITHIONE (CAS 13463-41-7)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Skeletonema costatum 0.0012 mg/l, 120 h EPA OPP 72-2
Crustacea	EC50	Daphnia magna 0.0082 mg/l, 48 h TG 202
Fish	LC50	Pimephales promelas 0.0026 mg/l, 96 h TG 203
Other	EC50	Activated sludge of a predominantly domestic sewage 2.4 mg/l, 3 h OECD 209
<i>Chronic</i>		
Crustacea	NOEC	Daphnia magna 0.0082 mg/l, 21 d EPA OPP 72-4

#### Persistence and degradability

##### Biodegradability

##### Percent degradation (Aerobic biodegradation)

GLYCERIN	OECD 301 Result: Readily Biodegradable
HEXYLENE GLYCOL	81 % OECD 301 F Result: Readily biodegradable Test Duration: 28 d
SODIUM LAURETH SULFATE	100 % EU C.4-A Result: Readily Biodegradable Test Duration: 28 d
SODIUM LAURYL SULFATE	75.7 % OECD 301 B Result: Readily Biodegradable Test Duration: 28 d
ZINC PYRITHIONE	39 % OECD 301 B Result: Not Readily Biodegradable Test Duration: 28 d

#### Bioaccumulative potential

##### Partition coefficient n-octanol / water (log Kow)

GLYCERIN	-1.76
HEXYLENE GLYCOL	0.58
SODIUM LAURETH SULFATE	0.3 OECD 123
SODIUM LAURYL SULFATE	-2.42 OECD 107
ZINC PYRITHIONE	0.883 OECD 107

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information****DOT****FINISHED GOODS**

Not regulated as dangerous goods.

**BULK**

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC PYRITHIONE), MARINE POLLUTANT
<b>Class</b>	9
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Transport hazard class(es)</b>	
<b>Label(s)</b>	9
<b>Special provisions</b>	8, 146, 173, 335, IB3, T4, TP1, TP29
<b>Packaging non bulk</b>	203

**IATA****FINISHED GOODS**

Not regulated as dangerous goods.

**BULK**

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC PYRITHIONE)
<b>Class</b>	9
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>ERG Number</b>	9L

**IMDG****FINISHED GOODS**

Not regulated as dangerous goods.

**BULK**

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC PYRITHIONE), MARINE POLLUTANT
<b>Class</b>	9
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-A, S-F

**General information**

Packagings containing a net quantity per single package or inner packaging of 5L or less are not subject transportation restrictions except for general packing provisions.

**15. Regulatory information****US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ZINC PYRITHIONE (CAS 13463-41-7) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

