

SAFETY DATA SHEETS

This SDS packet was issued with item:

078437749

N/A

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No.

Identity: **SELENIUM SULFIDE 2.5% LOTION**

Product Number: D040F

SECTION I

Manufacturer's Name:
Clay Park Labs, Inc.

Address:
1700 Bathgate Avenue
Bronx, NY 10457-5000

Emergency Number:
718-960-9978

General Information:
Shabbir Barot
718-960-9943

Date Prepared: 06/16/04
Signature of Preparer (optional):

SECTION II – INFORMATION ON INGREDIENTS

Ingredient: SELENIUM SULFIDE
Ingredient Sequence Number: 01
CAS Number: 7488-56-4

Ingredient: PURIFIED WATER
Ingredient Sequence Number: 02
CAS Number: 7732-18-5

Ingredient: SODIUM LAURYL SULFATE
Ingredient Sequence Number: 03
CAS Number: 151-21-3

Ingredient: ETHYLENE GLYCOL MONOSTEARATE
Ingredient Sequence Number: 04
CAS Number: 107-21-1

Ingredient: TITANIUM DIOXIDE
Ingredient Sequence Number: 05
CAS Number: 13463-67-7

Ingredient: COCOAMPHODIACETATE
Ingredient Sequence Number: 06
CAS Number: 68650-39-5

Ingredient: LAURAMIDE DEA
Ingredient Sequence Number: 07
CAS Number: 120-40-1

Ingredient: BENTONITE
Ingredient Sequence Number: 08
CAS Number: 1302-78-9

Ingredient: SODIUM PHOSPHATE (MONOBASIC)
Ingredient Sequence Number: 09
CAS Number: 7558-80-7

Ingredient: GLYCERYL MONORICINOLEATE
Ingredient Sequence Number: 10
CAS Number: 1323-38-2

Ingredient: FRAGRANCE SELSUN BLUE (TYPE #202-510)
Ingredient Sequence Number: 11
CAS Number N/A

Ingredient: CITRIC ACID, ANHYDROUS
Ingredient Sequence Number: 12
CAS Number: 5949-29-1

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: <250°F, <121°C

Specific Gravity (H₂O = 1): 1.24

Vapor Pressure (mm Hg 20°C): N/A

Melting Point: N/A

Vapor Density (AIR = 1): N/A

Evaporation Rate: N/A
(Diethyl Ether = 1)

Solubility in Water: Soluble.

Appearance and Odor: THICK DEEP ORANGE TO LIGHT BROWN LOTION WITH FAINT ODOR.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200°F

Extinguishing Media: Will not sustain combustion.

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

SECTION V – REACTIVITY DATA

Stability: YES

Conditions/Materials to Avoid: None.

Hazardous Decomp. Products: None.

Hazardous Poly. Occur: NO

Section VI – Health Hazard Data

Route(s) of Entry: Inhalation? NO Skin? YES Ingestion? NO
Signs and Symptoms of Exposure: N/A
Medical Conditions Generally Aggravated by Exposure: N/A
Health Hazards (Acute and Chronic): Eye contact may cause redness or irritation. Ingestion may cause nausea.

Carcinogenicity: NTP? NO IARC? NO OSHA? NO

Emergency/First Aid Procedures:

Eyes: Flush immediately with large amounts of water for at least 15 minutes. If redness or irritation persists, contact a doctor.

Ingestion: Contact a doctor immediately. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. Support breathing (give oxygen or artificial respiration).

Skin: Flush with mild soap and water. If irritation persists, contact a doctor.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps if Released/Spilled: No special precautions.

Neutralizing Agent: N/A

Waste Disposal Method: Dispose of IAW/Federal, state and local regulations.

Precautions-Handling/Storage: N/A

SECTION VIII – CONTROL MEASURES

Respiratory Protection: Not required with normal use.

Ventilation: General.

Protective Gloves: Plastic or rubber gloves for extended or prolonged exposure.

Eye Protection: Not required with normal use.

Other Protective Clothing or Equipment: N/A

Work/Hygiene Practices: N/A

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this material. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user.

SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier: Selenium Sulfide Topical Suspension, USP 2.5% (Lotion)

Synonym: 2J5

Manufacturer Name: Perrigo Company
Address: 515 Eastern Avenue
Allegan, MI 49010 USA

Telephone number: 269-673-8451

Emergency phone number: 888-464-2986 (U.S. calls)
+1 760-476-3962 Code 333304 (International calls)

Email Address: SDSRequest@perrigo.com

Recommended use: Human drug – topical antifungal, antiseborrheic

Restrictions on use: Use only as directed.

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not hazardous	Acute Oral Toxicity Category 4 Skin Irritant Category 2 Eye Damage Category 1 Carcinogen Category 2

Label Elements:
Danger!



Hazard statement(s)

Harmful if swallowed
Causes skin irritation.
Causes serious eye damage
Suspected of causing cancer.

Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.

Precautionary statement(s)

Wear protective gloves and eye protection.
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 or doctor.
IF on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
IF Swallowed: Call a poison center or doctor if you feel unwell. Rinse mouth.
IF exposed or concerned: Get medical attention.
Store locked up.
Dispose in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Selenium Sulfide	7446-34-6	2.5%
Water	7732-18-5	Proprietary
Sodium Lauryl Sulfate	151-21-3	Proprietary
Ethylene Glycol Monostearate	111-60-4	Proprietary
Citric Acid	77-92-9	Proprietary
Sodium Phosphate Monobasic	7558-80-7	Proprietary
Bentonite	1302-78-9	Proprietary
Titanium Dioxide	13463-67-7	Proprietary
Lauramide DEA	120-40-1	Proprietary
Cocoamphocarboxyglycinate	68604-71-7	Proprietary
Glycerol monoricinoleate	1323-38-2	Proprietary
Fragrance	Mixture	Proprietary

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

Skin contact: Remove contaminated clothing. Wash skin with water. If irritation develops and persists, get medical attention. Launder clothing before reuse.

Eye contact: Immediately flush eyes with water for at least 15 minutes while lifting the upper and lower lids. Get immediate medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get prompt medical attention.

Most important symptoms/effects, acute and delayed: May cause severe eye irritation with possible eye damage. Causes skin irritation. Ingestion may cause gastrointestinal distress and toxic effects. Contains selenium sulfide which causes cancer in laboratory animals.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required for eye contact and suggested for ingestion.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use any media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: Product is not flammable or combustible but may burn in a fire.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent material. Place in appropriate container for disposal. Clean area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid the generation of mists. Prevent contact with eyes. Avoid contact with skin and clothing. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities: Store as indicated on product packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Selenium Sulfide (as Se)	0.2 mg/m ³ TWA OSHA PEL and ACGIH TLV
Water	None Established
Sodium Lauryl Sulfate	500 ug/m ³ TWA PERRIGO OEL
Ethylene Glycol Monostearate	None Established
Citric Acid	None Established
Sodium Phosphate Monobasic	None Established
Bentonite	5 mg/m ³ (respirable) 15 mg/m ³ (total dust) TWA OSHA PEL
Titanium Dioxide	15 mg/m ³ (total dust) TWA OSHA PEL 10 mg/m ³ TWA ACGIH TLV
Lauramide DEA	None Established
Cocoamphocarboxyglycinate	None Established
Glycerol monoricinoleate	None Established
Fragrance	None Established

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposures levels.

Individual protection measures:

Respiratory protection: None needed under normal use conditions. If exposure levels are excessive and irritation is experienced, a NIOSH approved organic vapor/particulate respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: Impervious gloves recommended if contact with the drug product is possible.

Eye protection: Chemical safety goggles recommended if contact with the drug product is possible.

Other: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Deep orange to light brown thick suspension.

Odor: Floral mint odor

Odor threshold: Not determined	pH: 2.0-6.0
Melting point/freezing point: Not determined	Boiling Point: Not determined
Flash point: None	Evaporation rate: Not determined
Flammability (solid, gas): Not applicable	VOC: Not determined
Flammable limits: LEL: Not determined	UEL: Not determined
Vapor pressure: Not determined	Vapor density: Not determined

Relative density: Not determined	Solubility(ies): Dispersible in water
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: None known.

Incompatible materials: Avoid oxidizing agents.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides, sulfur and selenium.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:

Inhalation: Inhalation of mists may cause minor irritation of the mucous membranes and upper respiratory tract.

Ingestion: Swallowing may cause gastrointestinal distress and toxic effects.

Skin contact: Causes skin irritation. May cause hair loss and discoloration of the hair.

Eye contact: Contact causes severe eye irritation. Eye damage is possible.

Chronic Effects: Chronic absorption of selenium may affect the central nervous and gastrointestinal systems.

Sensitization: Components are not known to be sensitizers.

Germ Cell Mutagenicity: Components are not germ cell mutagens. Given the overall genetic toxicity profile of selenium sulfide, it appears that selenium sulfide may be a weak mutagen.

Reproductive Toxicity: Components are not reproductive toxins.

Carcinogenicity: Selenium sulfide is listed by NTP as reasonably anticipated to be a carcinogen. Titanium dioxide is classified by IARC as a suspected carcinogen (Group 2B). None of the other components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA. Oral exposure to selenium sulfide caused tumors in two rodent species and at two different tissue sites. Administration of selenium sulfide by stomach tube caused liver cancer (hepatocellular carcinoma) in rats of both sexes and in female mice. In female mice, it also increased the combined incidence of benign and malignant lung tumors (alveolar/bronchiolar adenoma and carcinoma). Studies in mice using dermal application of 25% and 50% solutions of 2.5% selenium sulfide topical suspension, over an 88 week period, indicated no carcinogenic effects.

Acute Toxicity Values: Acute oral toxicity estimate (calculated) 1515 mg/kg

Selenium Sulfide: Oral rat LD50 38 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity values: No data is available.

Persistence and degradability: No data is available

Bioaccumulative potential: No data is available

Mobility in soil: No data is available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended. Selenium containing wastes may be regulated by the EPA as hazardous waste.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT (packages containing <400 lbs.)		Not Regulated			
DOT (packages containing >=400 lbs.)	UN3082	Environmentally Hazardous Substance, liquid, n.o.s. (selenium sulfide)	9	III	RQ
TDG		Not Regulated			
IMDG		Not Regulated			
IATA		Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product has a reportable quantity of 400 lbs based on the RQ of selenium sulfide of 10 lbs. is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Chronic Health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:
Selenium Sulfide 2.5%

EPA TSCA Inventory: This product is a drug and not subject to TSCA.

CANADA:

Canadian CEPA: This product is a drug and not subject to CEPA regulations.

Canadian WHMIS Classification: Drugs are exempt from WHMIS

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

16. OTHER INFORMATION

NFPA Rating: Health = 3 Flammability = 0 Instability = 0
HMIS Rating: Health = 3* Flammability = 0 Physical Hazard = 0

SDS Revision History: New SDS

Date of preparation: May 10, 2015

Disclaimer: This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

77535

1. Identification

Product identifier **Selenium Sulfide Lotion**

Other means of identification

Product code 60432-528-04

Synonyms Selsun

Recommended use Antiseborrheic, Antifungal

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Morton Grove Pharmaceuticals, Inc.

Address 6451 Main Street

Morton Grove, IL 60053

Telephone 1-847-967-5600

Emergency phone number 3E Hotline: 1-844-225-0667 (access code 14789)

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Specific target organ toxicity, repeated exposure Category 2

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 3

Hazardous to the aquatic environment, long-term hazard Category 3

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention Do not breathe mist or vapor. Avoid release to the environment.

Response Get medical advice/attention if you feel unwell.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Active Ingredients

Chemical name	CAS number	%
Selenium Sulfide	7488-56-4	2.5

Composition comments	<p>This product also contains: Purified Water, Bentonite, Titanium Dioxide, Citric Acid Anhydrous, Monobasic Sodium Phosphate, Sodium Lauryl Sulfate 30%, Amphoteric -2, Ethylene Glycol Monostearate, Lauric Diethanolamide, Glyceryl Monoricinoleate, Captan; D&C Yellow #10, Cocoa Butter Fragrance.</p> <p>All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.</p> <p>Components not listed are either non-hazardous or are below reportable limits.</p>
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4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	<p>Direct contact with eyes may cause temporary irritation. Prolonged skin contact may cause temporary irritation. Prolonged exposure may cause chronic effects.</p> <p>If used as a drug:</p> <p>Side Effects: Oiliness or dryness of the hair and scalp.</p> <p>Possible Adverse Effects: Skin irritation, increase in normal hair loss, discoloration of the hair (can be avoided or minimized by thorough rinsing of hair after treatment).</p>
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Provide adequate ventilation. Use personal protection recommended in Section 8 of the SDS. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	<p>Applies only to the product when used in an industrial setting.</p> <p>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. Incineration of waste at an approved USEPA incinerator is recommended. Controlled substances must be destroyed following DEA guidelines for witnessed destruction of the product beyond reclamation.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Observe good industrial hygiene practices. Use care in handling/storage. Do not use in areas without adequate ventilation. Avoid inhalation and contact with skin and eyes. Wash thoroughly after handling. Avoid release to the environment.
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Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store in light resistant containers. Storage temperature: between 15 and 30°C. Protect from heat and direct sunlight. Keep out of the reach of children. Always follow the advice of your physician while using this drug. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

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

Active Ingredients	Type	Value
Selenium Sulfide (CAS 7488-56-4)	PEL	0.2 mg/m3

US. ACGIH Threshold Limit Values

Active Ingredients	Type	Value
Selenium Sulfide (CAS 7488-56-4)	TWA	0.2 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Active Ingredients	Type	Value
Selenium Sulfide (CAS 7488-56-4)	TWA	0.2 mg/m3

Biological limit values

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

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) 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.

Individual protection measures, such as personal protective equipment

Eye/face protection

None required for consumer use. In laboratory, medical or industrial settings, safety glasses with side shields are recommended. The use of goggles or full face protection may be required depending on the industrial exposure setting. Contact a health and safety professional for specific information.

Skin protection

Hand protection

No specific hand protection noted, but gloves may still be advisable. For consumer use, no unusual precautions are necessary.

Other

None required for consumer use. In laboratory, medical or industrial settings, gloves and lab coats are recommended. The use of additional personal protective equipment such as shoe coverings, gauntlets, hood or head coverings may be necessary. Contact a health and safety professional for specific information.

Respiratory protection

None required for consumer use. Respirators may be required for certain laboratory and manufacturing tasks if engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (where exposure limits have not been established). Workplace risk assessments should be completed before specifying and implementing respirator usage. All respirators must conform to specifications for efficiency and performance. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, air-purifying filter, cartridge or canister. Contact a health and safety professional or manufacturer for specific information.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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

Physical state

Liquid.

Form

Opaque liquid.

Color

Beige.

Odor

Cocoa Butter.

Odor threshold

Not available.

pH

2 - 6

Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not determined.
Flash point	Not determined.
Evaporation rate	Slower than ether.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not determined.
Explosive limit - upper (%)	Not determined.
Vapor pressure	Not available.
Vapor density	Heavier than air.
Relative density	1.06 (H2O=1)
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Exposure to light. Excessive heat.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Not expected to be hazardous in final pharmaceutical form. Prolonged skin contact may cause temporary irritation.
Eye contact	Not expected to be hazardous in final pharmaceutical form. Direct contact with eyes may cause temporary irritation.
Ingestion	Ingestion may cause irritation and malaise. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation. Prolonged skin contact may cause temporary irritation. Prolonged exposure may cause chronic effects.
	If used as a drug:
	Side Effects: Oiliness or dryness of the hair and scalp.
	Possible Adverse Effects: Skin irritation, increase in normal hair loss, discoloration of the hair (can be avoided or minimized by thorough rinsing of hair after treatment).

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	Not classified as a sensitizer.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Selenium Sulfide (CAS 7488-56-4)	3 Not classifiable as to carcinogenicity to humans.
NTP Report on Carcinogens	
Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects. Pregnancy: Category C. Selenium Sulfide should not be used for the treatment of Tinea Versicolor in pregnant women. Nursing Mothers: Consult your physician.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure by inhalation.
Aspiration hazard	Not an aspiration hazard.
Further information	CAUTION: Product may damage jewelry. Remove any jewelry before use. Children: Safety and effectiveness in infants has not been established. Adults/Geriatrics: Normal dosage. See package insert.

12. Ecological information

Ecotoxicity	Harmful to aquatic life with long lasting effects.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available on bioaccumulation.
Mobility in soil	No data available for this product.
Other adverse effects	Substantial amounts of the product may lead to a local change in acidity in small water systems which may have adverse effects on aquatic organisms.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

Selenium Sulfide (CAS 7488-56-4) U205

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

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations

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

This product is exempt from the TSCA Inventory. It is regulated by the FDA.

OSHA GHS: GHS symbols in consumer packaged form are not required per OSHA 29 CFR 1910.1200(b)(5) and OSHA 29 CFR 1910.1200(b)(5)(iii).

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Schedule II - 9143.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Selenium Sulfide (CAS 7488-56-4)

LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Selenium Sulfide (CAS 7488-56-4)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Selenium Sulfide (CAS 7488-56-4)

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Selenium Sulfide (CAS 7488-56-4)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision

Issue date 16-September-2015

Revision date -

Version # 01

Disclaimer

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