



SAFETY DATA SHEET

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Version 2

1. IDENTIFICATION

Product Name	Head & Shoulders, Total Care Men 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner
Product ID:	29546
Product Type:	Finished Product - Consumer (Retail) Use Only
Recommended Use	Personal Beauty Care Product
Synonyms	Head & Shoulders, Smooth & Silky 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92283130) * Head & Shoulders, Refresh Men 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (98932731) * Head & Shoulders, Purely Gentle 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92249050) * Head & Shoulders, Ocean Lift 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92255705) * Head & Shoulders, Itchy Scalp Care With Eucalyptus 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92259509) * Head & Shoulders, Full & Thick Men 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92284743) * Head & Shoulders, Green Apple 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92255782) * Head & Shoulders, Full & Strong 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (99910825) * Head & Shoulders, Extra Volume 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92283264) * Head & Shoulders, Dry Scalp Care Almond Oil 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92259608) * Head & Shoulders, Deep Clean Men 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92284755) * Head & Shoulders, Classic Clean 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92111273) * Head & Shoulders, Citrus Breeze 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (99552920) * Head & Shoulders, Active Sport Men NFL 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92289531) * Head & Shoulders, Active Sport Men MLB 2 In 1, Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner (92289531)

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2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:

Eye Damage / Irritation	Category 2B
Signal Word	WARNING
Hazard Statements	Causes eye irritation
Hazard pictograms	None
Precautionary Statements - Prevention	Wash hands thoroughly after handling
Precautionary Statements - Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention In case of fire: Use water, CO2, dry chemical, or foam for extinction
Precautionary Statements - Storage	None
Precautionary Statements - Disposal	Dispose of contents/container in accordance with local regulation
Hazards not otherwise classified (HNOC)	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Sulfuric acid monododecyl ester sodium salt (1:1)	-	No	151-21-3	5 - 10
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(dodecyloxy)-, sodium salt (1:1)	-	No	9004-82-4	5 - 10
Benzenesulfonic acid, dimethyl-, sodium salt (1:1)	-	No	1300-72-7	1 - 5
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridin ethionato-kappaS2]-, (T-4)-	-	No	13463-41-7	0.5 - 1.5

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	None under normal use.

Ingestion	Not an expected route of exposure. If swallowed: Clean mouth with water and afterwards drink plenty of water.
Inhalation	None under normal use.
Most important symptoms/effects, acute and delayed	May cause eye irritation.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Flammable properties	Flammable liquid and vapor
Suitable extinguishing media	Water. Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Special hazard	Fumes may catch fire.
Special protective equipment for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific hazards arising from the chemical	None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	None under normal use conditions.
Advice for emergency responders	Use personal protective equipment as required.
Environmental precautions	Do not discharge product into natural waters without pre-treatment or adequate dilution

Methods and materials for containment and cleaning up

Methods for containment	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Keep container closed when not in use. Keep away from open flames, hot surfaces and sources of ignition. Never return spills in original containers for re-use. Use personal protective equipment as required. Keep out of the reach of children.
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Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions	Keep away from open flames, hot surfaces and sources of ignition. Store away from other materials.
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Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a cool/low-temperature, well-ventilated, dry place away from heat and ignition sources.

Incompatible products None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines No exposure limits noted for ingredient(s).

Exposure controls

Engineering Measures **Manufacturing Sites:**
 Ensure adequate ventilation
Distribution, Workplace and Household Settings:
 Not applicable

Personal Protective Equipment

Eye Protection **Manufacturing Sites:**
 Safety glasses with side-shields
Distribution, Workplace and Household Settings:
 No special protective equipment required

Hand Protection No special protective equipment required

Skin and Body Protection Risk of contact:

Respiratory Protection No special protective equipment required

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C liquid
Appearance Various color by product
Odor characteristic
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH value	6.5 - 8.6	
Melting/freezing point	No information available	
Boiling point/boiling range	77 °C / 170 °F	
Flash point	Not Applicable	No Flash to Boiling (NFTB)
Evaporation rate	No information available	
Flammability (solid, gas)	Not applicable	
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower Flammability Limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	.
Decomposition temperature	No information available	.
Viscosity of Product	No information available	
Oxidizing properties	Not applicable.	
VOC Content (%)	Products comply with US state and federal regulations for VOC content in consumer	

products.

10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid	None in particular.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	No known effect.
Ingestion	No known effect.
Eye contact	Avoid contact with eyes. Irritating to eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	No known effect.
Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	Irritating to eyes.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Target Organ Effects	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

Component Information

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sulfuric acid monododecyl ester sodium salt (1:1)	151-21-3	977 mg/kg bw (OECD 401)	> 2000 mg/kg bw (OECD 402)	-
Benzenesulfonic acid, dimethyl-, sodium salt (1:1)	1300-72-7	> 7000 mg/kg bw (OECD 401)	> 2000 mg/kg bw (//OECD 402)	> 6.41 mg/L air
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	13463-41-7	269 mg/kg bw (OECD 401)	> 2000 mg/kg bw (US EPA OPP 81-2)	1.03 mg/L air (OECD 403)

12. ECOLOGICAL INFORMATION

Ecotoxicity

Hazardous to the Aquatic Environment.

Persistence and degradability No information available.
Bioaccumulative potential No information available.
Mobility No information available.
Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.
California Hazardous Waste Codes (non-household setting) 561

14. TRANSPORT INFORMATION

DOT Not regulated

IMDG

UN Number UN3082
UN Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-, Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride), 9, III
Transport hazard class(es) 9
Packing Group III
Special precautions for user 274, 335
EmS-No F-A, S-F

IATA

UN no UN3082
UN Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-, Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride), 9, III
Hazard Class 9
Packing Group III
ERG Code 9L
Special precautions for user A97, A158

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	SARA 313 - Threshold Values %
Carbonic acid, zinc salt (1:1)	3486-35-9	1.0
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	13463-41-7	1.0

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Carbonic acid, zinc salt (1:1)	3486-35-9	1000 lb	-	
Hydrogen chloride	7647-01-0	5000 lb	5000 lb	500 lb

Food and Drug Administration (FDA)

The product described in this Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying literature (where applicable)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substance(s) which are either listed as hazardous air pollutants (HAPS) or VOC's per the Clean Air Act:

Chemical Name	CAS-No	CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
Hydrogen chloride	7647-01-0	X

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Carbonic acid, zinc salt (1:1)	3486-35-9	1000 lb	X	-	X
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	13463-41-7	-	X	-	-
Hydrogen chloride	7647-01-0	5000 lb	-	-	X

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

U.S. State Regulations (RTK)

Chemical Name	CAS-No	New Jersey
Carbonic acid, zinc salt (1:1)	3486-35-9	X
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	13463-41-7	X

Chemical Name	CAS-No	Pennsylvania
Carbonic acid, zinc salt (1:1)	3486-35-9	X
Zinc, bis[1-(hydroxy-kappaO)-2(1H)-pyridinethionato-kappaS2]-, (T-4)-	13463-41-7	X
Hydrogen chloride	7647-01-0	X

Chemical Name	CAS-No	Rhode Island
Carbonic acid, zinc salt (1:1)	3486-35-9	X

International Inventories

92289532_RET_NG - Head & Shoulders, Total Care Men 2 In 1,
Pyrithione Zinc 2 In 1 Dandruff Shampoo + Conditioner

United States

Not applicable.

Canada

This product is in compliance with CEPA for import by P&G.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

Perfumes contained with the products comply with appropriate IFRA guidance.

16. OTHER INFORMATION

Issuing Date: 29-Jun-2015

Reason for revision Initial Release.

Disclaimer

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

End of SDS