

MATERIAL SAFETY DATA SHEET

NOTE: This Material Safety Data Sheet (MSDS) is prepared for industrial / commercial use situations. The preparation of this MSDS may be required by law, but this is not an assertion that this product presents a risk in the normal consumer use situation.



SECTION I. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: **Axe Anti-Dandruff Shampoo – All Variants**
 MSDS NUMBER: 4219-16
 CORPORATE ADDRESS: Unilever
 700 Sylvan Avenue
 Englewood Cliffs, NJ 07632

PHONE #:	800-450-7580 Monday thru Friday (8:30 AM – 6:00 PM EST)
EMERGENCY #:	800-745-9269 (24 Hours)
POISON CONTROL #:	800-949-7866 (24 Hours)
CHEMTREC #:	800-424-9300 (24 Hours, Transportation Emergencies)

All written inquiries should be sent to:
 Unilever Consumer Services, 920 Sylvan Avenue, Englewood Cliffs, NJ 07632 or Fax to: 201-227-5859

SECTION II. HAZARDS IDENTIFICATION

Warnings: For external use only. When using this product, avoid contact with eyes. Keep out of reach of children.

EXPOSURE EFFECTS: This is a personal care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and /or swelling upon prolonged or repeated skin contact or eye contact.

HAZARD RATINGS: Health: 0, Fire: 1, Physical Hazards: 0
 Ratings are based on a 0-4 scale, with 0 representing minimal and 4 representing significant hazards or risks.

SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredient(s):

CHEMICAL NAME	CAS NUMBER	% RANGE
Pyrrithione Zinc (Anti-Dandruff Agent)	13463-41-7	1%

SECTION IV. FIRST AID MEASURES

EYE CONTACT: Rinse thoroughly with water.
 SKIN CONTACT: Rinse with water.
 INGESTION: Do not induce vomiting. Drink a glass of milk or water.

INHALATION: Move individual to fresh air.
NOTE: If symptoms persist, seek medical attention.

SECTION V. FIRE FIGHTING MEASURES

HAZARD CLASSIFICATION: Not flammable
FLASHPOINT: Not available, expected to be >140°F /60°C, based on composition
EXTINGUISHING MEDIA: Water mist, carbon dioxide, foams or dry chemicals
SPECIAL FIREFIGHTING PROCEDURES: Use water spray or fog, direct stream may produce foam
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen; hydrocarbons & derivatives
CONTENTS UNDER PRESSURE: No
EXPLOSIVE: No

SECTION VI. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Small or household quantities may be cleaned up and disposed of in household trash. For large (industrial) releases, prevent spill from entering a waterway. Material may be slippery if spilled.

SECTION VII. HANDLING & STORAGE

HANDLING PRECAUTIONS: No special precautions necessary
STORAGE REQUIREMENTS: Store in a dry area at normal temperatures

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL
Zinc Pyrithione	13463-41-7	N/A	N/A

PERSONAL PROTECTION

FOR ROUTINE CONSUMER USE: No special precautions necessary
FOR INDUSTRIAL ACTIVITIES: Use protective eyewear, gloves, clothing and general ventilation

SECTION IX. PHYSICAL & CHEMICAL PROPERTIES

FORM:	Liquid	COLOR:	Bluish
ODOR:	Characteristic	SOLUBILITY:	Soluble in water
SPECIFIC GRAVITY:	1.0	VAPOR PRESSURE:	Not available
MELTING POINT:	Not available	VISCOSITY:	3000 – 7000 cps
pH:	5 – 7	EVAPORATION RATE:	Not available
PERCENT VOLATILE:	Not available	PERCENT VOC:	Not available

SECTION X. STABILITY & REACTIVITY

STABLE: Yes
HAZARDOUS DECOMPOSITION PRODUCTS: None known
INCOMPATIBLE WITH: Strong oxidizers, acids or bases

SPECIAL CONDITIONS TO AVOID: Extreme heat
 CORROSIVE TO STEEL, ALUMINUM: No

SECTION XI. TOXICOLOGY INFORMATION

ACUTE EFFECTS

EYE CONTACT: May cause redness or irritation
 SKIN CONTACT: Overexposure may cause a skin reaction such as redness
 INGESTION: May cause nausea, vomiting and diarrhea.
 RESPIRATORY: Not an expected route of exposure

CHRONIC EFFECTS: None expected

CARCINOGEN CLASSIFICATIONS

NTP: None
 IARC: None
 OSHA: None

SECTION XII. ECOLOGICAL INFORMATION

This product is safe for the environment at the concentrations predicted under normal use conditions.

SECTION XIII. DISPOSAL CONSIDERATIONS

RCRA: Non- hazardous waste pursuant to federal standards. Does not meet the federal characteristic definition of ignitable, corrosive, reactive or toxic. Not listed in 40 CFR § 261.33.

Disposal should be in accordance with all applicable local, state and federal regulations.

SECTION XIV. TRANSPORT INFORMATION

FOR SHIPMENT IN CONSUMER PACKAGING	DOMESTIC - ALL MODES (US DOT)	INTERNATIONAL - AIR (IATA/ICAO)	INTERNATIONAL - WATER (IMO/IMDG)
PROPER SHIPPING NAME:	Not regulated	Not regulated	Not regulated
HAZARD CLASS:	“	“	“
UN/ID #:	“	“	“
PACKING GROUP:	“	“	“
LABEL REQUIRED:	“	“	“

EMERGENCY GUIDE NUMBER: Not applicable
 DOT HAZARDOUS SUBSTANCE RQ: None/no reportable quantities
 DOT MARINE POLLUTANTS: None/no reportable quantities
 IATA FORBIDDEN SUBSTANCES: None/no reportable quantities

SECTION XV. REGULATORY INFORMATION

TSCA: All components of this product comply with TSCA inventory listing requirements
 RCRA: See Section XIII. Disposal Considerations
 CAA HAPS or Ozone Depletors: None/no reportable quantities

CERCLA/SARA 302 Hazardous Substances: None/no reportable quantities
 CERCLA/SARA 311/312 Hazard Categories: None/no reportable quantities
 CERCLA/SARA 313 Emissions Reporting: Zinc compounds (N982), 1.0 % de minimis concentration
 CA 22 CCR Hazardous Wastes: Zinc compounds
 CA Proposition 65 Listed Chemicals: None/no reportable quantities
 IL, MA, NJ, PA, RI State RTK & Hazardous Notifications: Zinc compounds - MA, NJ, PA

SECTION XVI. OTHER INFORMATION

LEGEND:

ACGIH	American Conference of Governmental & Industrial Hygienists	LVOC	Low Volatile Organic Compound
CAA	Clean Air Act	N/A	Not Applicable
CARB	California Air Resources Board	NFPA	National Fire Protection Association
CAS	Chemical Abstract Service	NTP	National Toxicology Program
CCR	California Code of Regulations	OSHA	Occupation Safety & Health Administration
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act	PEL	Permissible Exposure Limit
CFR	Code of Federal Regulations	RCRA	Resource Conservation & Recovery Act
DOT	Department of Transportation	RQ	Reportable Quantity
EPCRA	Emergency Planning and Community Right-To-Know Act	RTK	Right-To-Know
EST	Eastern Standard Time	SARA	Superfund Amendments & Reauthorization Act
HAPS	Hazardous Air Pollutants	STEL	Short-Term Exposure Limit
HMIS	Hazardous Materials Information System	TBD	To Be Determined
HON	Hazardous Organic NESHAP (National Emission Standards for Hazardous Air Pollutants)	TCC	Tagliabue Closed Cup
HVOC	High Volatile Organic Compound	TLV	Threshold Limit Value
IARC	International Agency for the Research of Cancer	TSCA	Toxic Substances Control Act
IATA	International Air Traffic Association	TWA	Time Weighted Average
ICAO	International Civil Aviation Organization	TCLP	Toxicity Characteristic Leaching Procedure
IMDG	International Maritime Dangerous Goods	VOC	Volatile Organic Compounds
IMO	International Maritime Organization		

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