

**MATERIAL SAFETY DATA SHEET**  
**CETRIMIDE SHAMPOO**
**1. Identification of the Product and Company**

<b>Product Name:</b>	<b>CETRIMIDE SHAMPOO 20%</b>
<b>Product Code:</b>	CET00816F
<b>Other Names:</b>	None allocated
<b>Use:</b>	Cetrimide Shampoo is used for the treatment of dandruff and associated scalp conditions.
<b>Company Name &amp; Contact Details</b>	Drug Information Pharmacist ORION Laboratories Pty Ltd ABN 56 009 293 136 25-29 Delawney Street, Balcatta, Western Australia 6021 AUSTRALIA <b>Telephone (all hours): +618 9441 7800</b> FREE PHONE: 1800 805 546 FREE FAX: 1800 004 110 EMAIL: customerservice@orion.net.au; WEBSITE: www.orion.net.au ORION® is a registered trademark of Orion Laboratories Pty Ltd
<b>Other Information</b>	All reasonable care has been taken to ensure information and advice contained in this data sheet is accurate at time of printing. However, Orion accepts no liability for any loss or damages suffered as a consequence of reliance on the information contained herein.

**2. Hazards Identification**

<b>Hazard Classification</b>	This product may cause irritation to the eyes. This product is not dangerous for the purposes of transport and storage.
<b>Risk phrase(s)</b>	R51 – Toxic to aquatic organisms.
<b>Safety phrase(s)</b>	R36 – Irritating to the eyes.

**3. Composition/Information on Ingredients**

<b>Chemical Entity</b>	<b>CAS No:</b>	<b>Proportion</b>
Cetrimide	-	) 20% w/v
(Dodecyltrimethylammonium bromide	1119-94-4	)
Trimethyltetradecylammonium bromide	1119-97-7	)
Isopropanol)		)
Ethanol	64-17-5	< 30% v/v
Water	7732-18-6	< 60% v/v

**4. First Aid Measures**

<b>Inhalation:</b>	Remove patient to fresh air. If breathing should stop, apply artificial respiration.
<b>Ingestion:</b>	Give plenty of water or milk to drink. Seek medical advice. For advice, contact a Poisons Information Centre (Australia 11 13 26) or doctor.
<b>Skin:</b>	Wash with water. If irritation occurs, discontinue use.
<b>Eye:</b>	Hold eyes open and irrigate with gently running water for at least 15 minutes. For advice, contact a Poisons Information Centre (Australia 11 13 26) or doctor.
<b>Advice to Doctor:</b>	Treat symptomatically.

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### 5. Fire Fighting Measures

<b>Extinguishing Media</b>	Use fire-extinguishing media appropriate for surrounding fire.
<b>Hazards from Combustion products</b>	During combustion (in fire), gases hazardous to health may evolve.
<b>Precautions &amp; Equipment for Fire Fighters</b>	Not considered to be a fire risk. Fire-fighters should wear self-contained breathing apparatus as exposure to vapour or combustion products is likely.
<b>Hazchem Code</b>	None allocated

### 6. Accidental Release Measure

Spillage will be slippery. For large spills, cover with inert absorbent material (sand, vermiculite) where appropriate. Collect and seal in properly labelled containers for disposal. Wash area well with water. Prevent large spills from entering drains or water course.

### 7. Handling and Storage

<b>Safe Handling Practices</b>	Safe handling procedures should be employed at all times.
<b>Storage</b>	Store below 25°C
<b>Other Information</b>	Repeated or prolonged use may cause hypersensitivity. Incompatible with anionic solutions.

### 8. Exposure Controls; Personal Protection

<b>Exposure Limits:</b>	There are no known exposure standards for Cetrimide Shampoo, but the following Threshold Limit Values (TLV) may be beneficial. Ethanol 100% TLV 1000ppm; 1900mg/m <sup>3</sup>
	Cetrimide LD <sub>50</sub> (oral, rat) approx. 250-350mg/kg LD <sub>50</sub> (oral, mouse) approx. 500-700mg/kg
<b>Engineering Controls</b>	No respiratory respiration is necessary under normal conditions of use. Maintain adequate ventilation at all times.
<b>Personal Protection</b>	Avoid eye contact.

### 9. Physical and Chemical Properties

<b>Appearance / Odour:</b>	A clear, colourless soapy liquid, which has a typical odour.
<b>pH:</b>	4.0 – 6.5
<b>Vapour Pressure:</b>	No data available
<b>Vapour Density:</b>	No data available
<b>Boiling Point:</b>	No data available
<b>Freezing/Melting Point:</b>	No data available
<b>Solubility:</b>	Miscible
<b>Specific Gravity or Density:</b>	0.97 – 0.99g/mL
<b>Percent Volatiles:</b>	Max. 25%

### 10. Chemical Stability and Reactivity Information

<b>Conditions Contributing to Instability</b>	Stable under normal conditions of use.
<b>Conditions / Materials to Avoid:</b>	Anionic substances. Strong oxidising substances
<b>Hazardous Decomposition Products</b>	Oxides of carbon; alkyl bromides.

**11. Toxicological Information**

**Inhalation:** Irritating to mucous membranes.  
**Ingestion:** Ingestion may cause nausea and vomiting; gastric disorders and respiratory collapse.  
**Skin:** Repeated or prolonged skin contact may cause excessive dryness or sensitivity.  
**Eye:** Irritating to the eyes, causing redness and stinging.

**12. Ecological Information**

**Mobility:** This product is soluble & may spread in water systems (rivers/streams)  
**Persistence and Degradability:** Expected to be biodegradable (Cetrimide 40% < 20ppm.)  
**Ecotoxicity:** Expected to be toxic to aquatic organisms.

**13. Disposal Considerations**

**Disposal Methods & Containers:** Rinse containers with water before disposing to land fill. Washed containers may be re-cycled.  
**Special Disposal for Landfill or Incineration:** Waste material may be incinerated under controlled conditions where permitted. Refer to local Waste Management Authority Regulations for other approved methods.

**14. Transport Information**

**UN Number:** None allocated  
**UN Proper Shipping Name:** None allocated  
**DG Class & Subsidiary Risk:** None allocated  
**Packing Group:** None allocated  
**Hazchem Code:** None allocated

**15. Regulatory Information**

Not classified using the criteria in the Standard Uniform Schedule for Drugs and Poisons.  
R36 – Irritating to the eyes.

**16. Other Information**

**References:**

- *MSDS Strong Cetrimide Solution 40% w/Isopropyl alcohol gb/irl/8.0 2008-09-26 FEF*
- *Ethanol MSDS-022 issued 08/2008 CSR*

Checked by: Anna McLean	Date: August 2009
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Revision Information:

Date	Document	Superseded Document	Revision Information
August 2006	CET00614S_5 August 2006	CET00614S_4 July 2003	General revision; New format
August 2009	CET00614S_06 August 2009	CET00614S_5 August 2006	General review

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