
 <b>ANGELINI</b>	<b>SAFETY DATA SHEET</b>		
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Section 1 Identification			
Product Name		Product Codes	Contact
Alcavis 50		15501, 15508, 15502	Angelini Pharma Inc. 8322 Helgerman Court Gaithersburg, MD 20877 USA Phone: (301) 330-7597 Fax: (301) 330-6432
Emergency Phone Number: (800) 222-1222			
Recommended Use and Description			
Electrolytically produced sodium hypochlorite solution. For use as a high level disinfectant for dialysis sets and connectors.			
Section 2 Hazards Identification			
The solution is not classified as hazardous per 21 CFR 1910.1200		<ul style="list-style-type: none"><li>• Signal Word: None</li><li>• Appearance: Clear, colorless to slightly yellow liquid</li><li>• Physical State: Liquid</li><li>• Odor: Slightly Chlorine</li></ul>	
Section 3 Composition & Information on Ingredients			
<ul style="list-style-type: none"><li>• Sodium Hypochlorite (Bleach): 0.55% - CAS No.: 7681-52-9</li><li>• Sodium Chloride (Salt): 9.00% - CAS No.: 7647-14-5</li><li>• Purified Water: q.s. - CAS No. 7732-18-5</li></ul>			
Section 4 First Aid Measures			
<ul style="list-style-type: none"><li>• In case of medical emergency, contact your local poison control center.</li><li>• <b>EYE CONTACT:</b> Immediately flush eyes with plenty of water. If irritation persists, seek medical attention.</li><li>• <b>INGESTION:</b> If swallowed, drink large quantities of milk or gelatin solution. If these are not available, drink large quantities of water and call a physician. Do not give vinegar or other acids. Do not induce vomiting.</li><li>• <b>INHALATION:</b> If breathing problems occur, seek fresh air immediately.</li><li>• <b>SKIN</b> – In case of irritation wash affected area with water. Seek medical advice if it persist.</li></ul>			
Section 5 Fire-fighting measures		Section 6 Accidental Release Measures	
This product is not flammable or explosive. Use ABC fire extinguisher for small fires and water spray for large fires. Cool containers to prevent rupture and release. Use SCBA, goggles, and full protective gear.		In case of spills do not allow product to enter aquatic environments such as storm drains, lakes, or streams. If safe to do so, control the leak/spill while wearing proper PPE. Absorb and containerize before diluting residual with water. Dispose of diluted residual in sanitary sewer after contacting treatment facility authorities.	
Section 7 Handling & Storage		Section 8 Exposure Controls/ Personal Protection	
Store in a cool dry area below 30°C, away from direct sunlight, heat, acids, and oxidizers. If frozen, thaw at room temperature. Do not exceed 55°C for more than 24 hours.		Wear gloves with sensitive skin or repeated use/exposure. Use in an adequately ventilated area. Do not mix with acidic substances, as it may release hazardous gases.	
Section 9 Physical & Chemical Properties			
Physical State	Liquid	pH	9.0-10.5
Boiling pt./ range	100°C ≤ BP ≤ 104°C	Freezing pt./ range	-12°C ≤ FP ≤ 0°C
Specific Gravity (H2O = 1)	1.060 – 1.090	Water Solubility	Soluble
Color	Slightly Yellow	Odor	Slightly of Chlorine
Section 10 Stability & Reactivity			
Stable under normal use and storage conditions. Will react with other oxidizing agents and acids such as toilet bowl cleansers, rust removers, vinegar, acids or ammonia containing products to produce hazardous gases, such as chlorine and other chlorinated species. In case of chemical contamination of the product do not reseal container. Avoid high temperature and direct sunlight. Stable for 30 months at room temperature, if unopened.			

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### Section 11 Toxicological Information

- Contact with eyes may cause temporary discomfort.
- Contact with skin causes no adverse effects.
- Ingestion of the product can cause hiccups and distension of the abdomen due to release of chlorine gas.
- There are no inhalation exposure problems and no reported adverse effects due to acute exposure.
- There is no chemical similarity with known carcinogens or mutagens.
- No reported effects following more than 50 years of clinical use and application.
- When following the recommended usage instructions, the likelihood of any adverse health effects are low.

### Section 12 Ecological Information

This product can be harmful to the aquatic environment in large quantities.

### Section 13 Waste Disposal Considerations

Disposal of the product in sinks and sewers must be in compliance with the local, state, and federal laws.

### Section 14 Transport Information

UN number: 1791

DOT/IATA/IMDG: Not Restricted

### Section 15 Regulatory Information

EPA-SARA Title III/ CERCLA: This product is regulated under Sections 311/312. This product contains no chemicals that are regulated under Section 313 but contains sodium hypochlorite and sodium hydroxide, which are regulated under Section 304/CERCLA.

### Section 16 Other Information

This SDS must be shown each time you seek medical attention for emergencies relating to this specific product.

The information provided herein is made in good faith and is believed to be correct as of the date thereof. The Manufacturer and Distributor do not make representation as to the comprehensiveness or to the accuracy of specific properties. The individuals using the product and receiving this information are expected to use their best judgement in determining risks and precautions connected to the use of this product.

The information is intended to provide a general notice of use, safety, and storage of this product. It is provided independently of any sale of the product as part of Angelini Pharma's Product Safety Program. It is not applicable to unusual or non-standard use of the product or for uses different from which this product has been conceived. Furthermore, no expressed warranty or merchantability of fitness for a particular purpose is made with respect to the information herein.

Updated: 01Jun2018