

**Alcavis HDC, LLC**8322 Helgerman Court, Gaithersburg, MD 20877  
Tel. 301-330-7597 Fax: 301-330-6432**Material Safety  
Data Sheet**

MSDS. Rev. No.: 5 Date: 08/2011

<b>I Product:</b> <b>ALCAVIS 50</b>	
<b>Description:</b> <b>CLEAR, LIGHT YELLOW LIQUID WITH SLIGHT CHLORINE ODOR</b>	
<b>Composition</b>	<b>Manufacturer</b>
Sodium Hypochlorite 0.55%	ACRAF S.p.A.
Sodium Chloride 9%	Via Pontasso 13
Excipients	16015 Genoa
Depurated water q.s. to 100ml	ITALY
<b>Emergency Telephone No.</b>	
Alcavis HDC, LLC 8322 Helgerman Court Gaithersburg, MD 20877 USA Phone: 301-330-7597 Fax: 301-330-6432	
<b>II Health Hazard Data</b>	<b>IV Special Protection and Precautions</b>
<p>Contact with eyes may cause temporary discomfort, but no permanent injury. Contact with skin causes no adverse effects. Ingestion of the product can cause hiccups and distension due to the 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.</p> <p><b>FIRST AID: EYE CONTACT:</b> Immediately flush eyes with plenty of water. If irritation persists, seek medical attention. <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. Antidote: Sodium thiosulphate; gastric lavage. <b>INHALATION:</b> If breathing problems occur seek fresh air immediately.</p>	<p>No special protection is needed under normal consumer use conditions. Do not mix with acidic substances, it may release hazardous gases. Store in a cool dry area, away from direct sunlight and heat.</p> <p><b>V Spill or Leak Procedures</b></p> <p>In case of spills, flush area with water. The product should be diluted with water before disposal in sanitary sewer.</p> <p><b>VI Fire and Explosion Data</b></p> <p>Not flammable or explosive. When poured on fire behaves as water. In a fire, cool containers to prevent rupture and release of sodium hypochlorite.</p> <p><b>VII Reactivity Data</b></p> <p>Stable under normal use and storage conditions. Strong oxidizing agent. Reacts with other household chemicals such as toilet bowl cleaners, 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. High temperature and direct sunlight may cause swelling of the container. Stable for 30 months.</p>
<b>III Hazardous Ingredients</b>	<b>VIII Physical Data</b>
<p><u>Available chlorine*</u> 0.55%</p> <p>CAS No. 7782 - 50 - 5</p> <p>* Available chlorine is composed of hypochlorite ion (OCl<sup>-</sup>) and hypochlorous acid (HOCl). None of the ingredients are classified as hazardous ingredients.</p> <p>LD50 Oral-rat: 52.8 ml/kg</p>	<p><b>Boiling point</b> 100° - 104°C</p> <p><b>Freezing point</b> 0° / -12° C</p> <p><b>Specific gravity ( H<sub>2</sub>O=1 )</b> 1.060 - 1.090</p> <p><b>Solubility in Water</b> complete</p> <p><b>pH</b> 10</p> <p><b>Form</b> Liquid</p> <p><b>Color</b> Slightly yellow</p> <p><b>Odor</b> Slightly of chlorine</p>
<b>X Preparation Information</b>	<b>IX Disposal Considerations</b>
This MSDS must be shown each time you seek for medical attention for emergencies. The information contained herein is believed to be accurate. It is provided independently of any sale of the product as part of Amuchina SpA product safety program. It is not intended to constitute performance information concerning the product. No express warranty, or merchantability of suitability for a particular purpose is made with respect to the product information combined herein.	<p>Disposal of the product must be in compliance with the local laws about Active Chlorine and Chlorides in the sinks and sewers. Not dangerous for the environment. <b>Completely biodegradable.</b></p>
Date: 08/2011	