

	SAFETY DATA SHEET
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Product: **Alcavis 100**

Rev. 3

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Section 1 Identification

Product Name	Manufacturer	Emergency Contact
ALCAVIS 100	A.C.R.A.F. S.p.A. Via Pontasso 13 16015 Genoa Italy	Angelini Pharma Inc. 9200 Corporate BLVD., Suite 100 Rockville, MD - 20850 USA Phone: (301) 330-7597 Fax: (301) 330-6432

Recommended Use and Description

Electrolytically produced sodium hypochlorite. For use as a general purpose high level disinfectant.

Section 2 Hazards Identification

Physical Hazard(s): Oxidizing liquid
 Health Hazard(s): Eye Irritant – Category 2B Mild irritant
 Acute Oral Toxicity – Category 2
 Environmental Hazard(s): None



Section 3 Composition & Information on Ingredients

- Sodium Hypochlorite: $\geq 1.0\%$ - CAS No. 7681-52-9
- Sodium Chloride: 18% - CAS No. 7647-14-5
- Excipients
- Depurated water q.s. to 100 ml

The available chlorine ($\geq 1.0\%$ - CAS No. 7782-50-5) in this product is composed of hypochlorite ion (OCl) and hypochlorous acid (HOCl). None of the ingredients are classified as hazardous ingredients.

Section 4 First Aid Measures

- **EYE CONTACT** – Immediately flush eyes with plenty of water. If irritation persists, seek medical attention.
- **INGESTION** – 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.
- **INHALATION** – If breathing problem occur, seek fresh air immediately.

Section 5 Fire-fighting Measures

This product is not flammable or explosive. When poured on fire, it behaves as water.
 In a fire, cool containers to prevent rupture and release of sodium hypochlorite.

Section 6 Accidental Release Measures

In case of spills, flush area with water.
 The product should be diluted with water before disposal in sanitary sewer.

Section 7 Handling & Storage

Store in a cool dry area, away from direct sunlight and heat.

Section 8 Exposure Controls/ Personal Protection

No special protection is needed under normal consumer use conditions.
 Do not mix with acidic substances, as it may release hazardous gases.

Section 9 Physical & Chemical Properties

Physical State	Liquid	pH	10
Boiling point range	$100^{\circ}\text{C} \leq \text{BP} \leq 104^{\circ}\text{C}$	Freezing pt./ range	$-12^{\circ}\text{C} \leq \text{FP} \leq 0^{\circ}\text{C}$
Specific Gravity (H₂O=1)	1.12	Water solubility	Soluble
Color	Slightly Yellow	Odor	Slightly of chlorine

Section 10 Stability & Reactivity

Stable under normal use and storage conditions. Strong oxidizing agent. Reacts with other household chemicals 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. High temperature and direct sunlight may cause swelling of the container. Stable for 30 months.

Section 11 Toxicological Information

Summary – Contact with eyes may cause temporary discomfort, but no permanent injury.
 Contact with skin causes no adverse effects.



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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**Section 13 Waste Disposal Considerations**

This product is not dangerous for the environment and is completely biodegradable.

Disposal of the product in sinks and sewers must be in compliance with the local laws about active chlorine and chlorides.

Section 14 Transport Information

For more information, please visit 49 CFR Chapter 1, Subchapter C.

Hypochlorite Solutions					
Symbols	N/A		Special provisions (§172.102)	A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24	IB3, N34, T4, TP2, TP24
Hazardous materials descriptions and proper shipping names	Hypochlorite Solutions	Packaging (§173.***)	Exceptions	154	54
			Non-Bulk	202	203
			Bulk	242	241
Hazard class of Division	8	Qty. limitations (see §§ 173.27 and 175.75)	Passenger aircraft/ rail	1L	5L
			Cargo aircraft only	30L	60L
Identification Numbers	UN1791		Location	B	
PG	II	III	Other	26	
Label Codes	8				

Section 15 Regulatory Information**Section 16 Other 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 and contains sodium hypochlorite and sodium hydroxide that are regulated under Section 304/CERCLA.

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.