

Material Safety Data Sheet – Page 1


MSDS Rev. No.: 1

Effective Date: 3 July 2014



ANGELINI

Product: ExSept Plus

Section 1 Identification	Product Name	Manufacturer	Emergency Contact
	ExSept Plus	A.C.R.A.F. S.p.A. Via Pontasso 13 16015 Genoa Italy	Angelini Pharma Inc. 8322 Helgerman Court Gaithersburg, MD 20877 USA Phone: (301) 330-7597; Fax: (301) 330-6432
	Recommended Use and Description		
Clear liquid with very slight chlorine odor. Intended for the mechanical cleansing of debris and foreign material from exuding/dirty epidermal and dermal wounds.			
Section 2 Hazards Identification	Physical Hazard(s): Oxidizing liquid		Section 3 Composition & Information on Ingredients
	Health Hazard(s): <ul style="list-style-type: none"> Eye Irritant: Category 2B – Mild irritant Environmental Hazard(s): None		
<ul style="list-style-type: none"> Sodium Hypochlorite: $\geq 0.11\%$ - CAS No.: 7681-52-9 Sodium Chloride: 1.7% - CAS No.: 7647-14-5 Excipients Depurated water q.s. to 100 ml <p>The available chlorine ($\geq 0.1\%$ - CAS No. 7782-50-5) in this product is composed of hypochlorite ion (OCI) and hypochlorous acid (HOCl). None of the ingredients are classified as hazardous ingredients.</p> <p>LD50 Oral-rat: 264 ml/kg</p>			
Section 4 First Aid Measures	In case of medical emergency, contact your local poison control center.		
	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. <i>Antidote:</i> Sodium thiosulphate; gastric lavage. INHALATION: If breathing problems 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.		Section 7 Handling & Storage
	The product should be diluted with water before disposal in sanitary sewer.		
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	Section 10 Stability and Reactivity
	pH	9.0 – 10.5	
	Boiling pt./range	100°C \leq BP \leq 104°C	
	Freezing pt./range	0°C \leq FP \leq -12°C	
	Specific Gravity (H2O=1)	1.016	
	Water solubility	Soluble	
	Color	Slightly yellow	
Odor	Slightly of chlorine		
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.			

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<p>Section 11 Toxicological Information</p>	<p>Summary: 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>Section 12 Ecological Information</p>	<p>Section 13 Waste Disposal Considerations</p>	<p>Disposal of the product in sinks and sewers must be in compliance with the local laws about active chlorine and chlorides.</p>																																											
<p>For more information, please visit 49 CFR Chapter 1, Subchapter C.</p>																																													
<p>Section 14 Transport Information</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;">Hypochlorite Solutions</th> </tr> </thead> <tbody> <tr> <td style="width: 20%;">Symbols</td> <td style="width: 15%;">N/A</td> <td style="width: 25%;">Special provisions(§172.102)</td> <td style="width: 15%;">A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24</td> <td style="width: 25%;">IB3, N34, T4, TP2, TP24</td> </tr> <tr> <td rowspan="3">Hazardous materials descriptions and proper shipping names</td> <td rowspan="3">8</td> <td rowspan="3">Packaging (§ 173.***)</td> <td>Exceptions</td> <td>54</td> </tr> <tr> <td>Non-Bulk</td> <td>203</td> </tr> <tr> <td>Bulk</td> <td>241</td> </tr> <tr> <td rowspan="2">Hazard class or Division</td> <td rowspan="2">Hypochlorite Solutions</td> <td rowspan="2">Quantity limitations(see §§ 173.27 and 175.75)</td> <td>Passenger aircraft/rail</td> <td>5L</td> </tr> <tr> <td>Cargo aircraft only</td> <td>60L</td> </tr> <tr> <td>Identification Numbers</td> <td>UN1791</td> <td>Location</td> <td colspan="2">B</td> </tr> <tr> <td>PG</td> <td>II III</td> <td>Other</td> <td colspan="2">26</td> </tr> <tr> <td>Label Codes</td> <td>8</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				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	8	Packaging (§ 173.***)	Exceptions	54	Non-Bulk	203	Bulk	241	Hazard class or Division	Hypochlorite Solutions	Quantity limitations(see §§ 173.27 and 175.75)	Passenger aircraft/rail	5L	Cargo aircraft only	60L	Identification Numbers	UN1791	Location	B		PG	II III	Other	26		Label Codes	8			
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<p>Section 15 Regulatory Information</p>	<p>Section 16 Other Information</p>	<p>This MSDS must be shown each time you seek medical attention for emergencies relating to this specific product.</p> <p>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 judgment in determining risks and precautions connected to the use of this product.</p> <p>The information is intended to provide a general notice as 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.</p> <p>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.</p>																																											