

COSHH Risk Assessment

C500 _ SELGIENE EXTREME

Physical Properties (9):	Classification (2.2)	Environmental:	Important:
 <ul style="list-style-type: none"> Physical state: Liquid Appearance: Liquid Colour: Red (product info: clear thin liquid, pink) Odour: Odourless (product info: unfragranced) pH: 10 (product info: 10.4) Boiling point: ≥ 100°C Relative density: 1.034 (product info: specific gravity 1.036) Solubility: Soluble in water 	 <p>GHS05 GHS09</p> <ul style="list-style-type: none"> Skin Irritation Category 2 – H315 Serious Eye Damage Category 1 – H318 Hazardous to aquatic environment (Acute) Category 1 – H400 Hazardous to aquatic environment (Chronic) Category 2 – H411 <p>Signal Word: DANGER</p> <p>Hazard Statements:</p> <ul style="list-style-type: none"> Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. <p>Main hazardous ingredient group: Quaternary ammonium compounds (benzyl-C12-16-alkyldimethyl chlorides).</p>	<p>Very toxic to aquatic life.</p> <p>Toxic to aquatic life with long lasting effects.</p> <p>Avoid release to the environment.</p> <p>Collect spillages immediately.</p>	<p>High-risk concentrate due to serious eye damage classification.</p> <p>Skin irritant.</p> <p>Significant environmental hazard (aquatic toxicity).</p> <p>Suitable for high-level disinfection tasks in healthcare/catering/high-risk environments when diluted correctly.</p> <p>Passes EN 1276, EN 14476 and EN 1650 (bactericidal, viricidal for enveloped viruses, yeasticidal).</p>
STORAGE (7)			
Hazards During Storage:	Incompatible Materials:	Control Measures:	Action Required:
<ul style="list-style-type: none"> Avoid contact with skin and eyes. 	<ul style="list-style-type: none"> Oxidising agents Strong acids 	<p>Store upright in original labelled container.</p>	<p>Inspect containers regularly for leaks/damage.</p>

<ul style="list-style-type: none"> Keep container closed when not in use. Keep only in original container. 	<ul style="list-style-type: none"> Strong bases 	<p>Keep container tightly closed.</p> <p>Store securely in a cool, well-ventilated chemical cupboard.</p> <p>Segregate from oxidisers, strong acids and strong bases.</p> <p>Keep away from drains/watercourses (environmental hazard).</p>	<p>Ensure spill kit/absorbent materials available.</p> <p>Ensure eye-wash access and first aid arrangements are known.</p> <p>Restrict access to authorised/trained staff only.</p>
Normal Use:	Good Practice Controls:	USAGE	Control Measures During Use:
<p>Mandatory PPE (especially when handling concentrate/diluting):</p> <ul style="list-style-type: none"> Eye protection (safety glasses/goggles) Chemical resistant gloves (nitrile) Skin/body protection: Not required for normal conditions of use (beyond gloves). Respiratory protection: Not required for normal conditions of use. 	<p>Avoid contact with skin and eyes.</p> <p>Do not eat, drink or smoke when using.</p> <p>Wash hands thoroughly after handling.</p> <p>Remove contaminated clothing and wash before reuse.</p> <p>Prevent environmental release; collect spillages.</p>	<p>Intended Use: Disinfectant-cleaner for professional use.</p> <p>Recommended Dilutions (typical):</p> <p>High level hygiene / hard surface disinfecting / damp mopping / mopping only: 1:40 (2.5%)</p> <p>Spray and wipe hard surface cleaning: 1:10 (10%)</p> <p>Spray and wipe sanitising (clean & disinfect): 1:10 (10%)</p> <p>High level hygiene (spray and wipe): 1:10 (10%)</p> <p>Cellar floor cleaning: 1:40 (2.5%)</p>	<p>Always dilute to the required task strength; do not use neat unless specifically instructed.</p> <p>Add product to water to reduce splash risk.</p> <p>Avoid splashing and spray mist; apply to cloth where possible.</p> <p>Wear gloves and eye protection when handling concentrate and during dilution.</p> <p>Ensure adequate ventilation.</p> <p>Do not mix with other chemicals.</p> <p>Prevent product entering drains in concentrated form; manage spills immediately.</p>
FIRST AID MEASURES (4)			
<p>Inhalation:</p> <p>Remove person to fresh air and keep comfortable for breathing.</p>	<p>Skin Contact:</p> <p>Wash skin with plenty of water.</p>	<p>Eye Contact (EMERGENCY):</p> <p>Rinse cautiously with water for several minutes.</p> <p>Remove contact lenses if present and easy to do.</p>	<p>Ingestion:</p> <p>Do NOT induce vomiting.</p> <p>Rinse mouth. Drink plenty of water.</p> <p>Get medical advice/attention.</p>

		Continue rinsing. Get immediate medical advice/attention.	
DISPOSAL	TRANSPORT	FIRE INFORMATION	AREAS WHERE IT SHOULD NOT BE USED
<p>Dispose of contents/container in accordance with local regulations.</p> <p>Use licensed waste contractor / licensed collector.</p> <p>Waste code: 20 01 29* (detergents containing dangerous substances).</p> <p>Do not discharge concentrate to drains/watercourses.</p>	<ul style="list-style-type: none"> UN 3082 – Environmentally hazardous substance, liquid, N.O.S. Class 9 Packing Group III Marine pollutant: Yes Limited quantity: 5L (environmental mark not required for ≤5L packages under ADR derogation) 	<p>Prevent contaminated fire water entering drains or watercourses due to environmental hazard.</p> <p>Hazardous combustion products may include:</p> <ul style="list-style-type: none"> Carbon oxides Nitrogen oxides Hydrogen chloride fumes <p>Firefighters should wear: Self-contained breathing apparatus (SCBA) Full protective clothing</p>	<ul style="list-style-type: none"> Areas where uncontrolled discharge to surface water drains or watercourses may occur (due to aquatic toxicity). External areas where run-off cannot be contained. On acid-sensitive surfaces unless compatibility has been confirmed. Mixed with other cleaning chemicals (particularly oxidising agents, strong acids or strong bases). In food preparation areas without following site-specific food safety procedures (rinse where required). By untrained personnel or without appropriate PPE when handling concentrate.

Risk Classification:	 <p>Overall Risk: HIGH (Neat concentrate) – due to serious eye damage and aquatic toxicity. LOW (in use when diluted and controls are followed) – provided correct dilution, PPE, and spill/environment controls are in place.</p>
Assessor: MRomano HSQE Manager	<p>Date of Assessment: 06/02/2026 Review Date: 06/02/2027</p>