

# SAFETY DATA SHEET

## SUPERKILL

1. PRODUCTS & COMPANY SPECIFICATION				
<b>Trade Name</b>		SUPERKILL		
<b>Manufacturer</b>		AFS Animal Care Ltd Stephenson Way Thetford, Norfolk, IP24 3RH		
		<b>Phone No</b>	+44 (0) 1842 765634	
		<b>Fax Number</b>	+44 (0) 1842 820152	
		IN AN EMERGENCY DIAL 999		
2. COMPOSITION / INFORMATION ON THE COMPONENTS				
<b>Product Description</b>		Formaldehyde / glutaraldehyde / quaternary ammonium disinfectant		
<b>Component</b>	<b>CAS No.</b>	<b>% Inclusion</b>	<b>Symbol(s)</b>	<b>R phrases</b>
Formaldehyde	50-00-0	26	Xn	R23/24/25,34,40,43
Glutaraldehyde	111-30-8	5	Xn, N	R20/22-37/38, 41,42/43, 50
Benzalkonium chloride	68424-85-1	6	C, N	R22, 34, 50
Methanol	67-56-1	<3	Not classified below 3%	
3. HAZARD IDENTIFICATION				
<b>Main Hazards</b>	Liquid and vapour are irritating to eyes, respiratory system and skin. Risk of serious damage to eyes. Toxic by inhalation, in contact with skin and if swallowed. May cause burns. May cause sensitisation by inhalation and skin contact. Possible risk of irreversible effects. Formaldehyde is a Category 3 Carcinogen. Very Toxic to aquatic organisms.			
4. FIRST AID MEASURES				
<b>First Aid</b>				
<b>Eyes</b>	Speed is essential. Immediately flood the eye with plenty of water and Boric Saline solution for at least 15 minutes, holding the eye open. Obtain medical attention urgently.			
<b>Skin</b>	Remove immediately any contaminated clothing, avoid contamination of unaffected areas. Wash thoroughly with soap and water. If irritation persists seek medical advice.			
<b>Ingestion</b>	Wash out mouth with water and give 200ml of warm water to drink. DO NOT induce vomiting. Seek medical advice immediately and show this document.			
<b>Inhalation</b>	Keep patient calm, remove from exposure and summon medical help.			
<b>Health Effects</b>				
<b>Eyes</b>	Contact with eyes causes severe irritation, redness and blurred vision. Prolonged exposure may cause permanent damage.			
<b>Skin</b>	May cause skin sensitisation. Repeated exposure of the skin can cause hardening and cracking.			
<b>Ingestion</b>	Irritation of the mouth, throat, nose and gastrointestinal tract. Ingestion may prove fatal.			
<b>Inhalation</b>	Irritates the respiratory tract. Effects are mainly transitory and reversible.			
5. FIRE FIGHTING MEASURES				
<b>Extinguishing Media</b>	Use water spray, foam, dry chemical or carbon dioxide.			
<b>Fire &amp; Explosion Hazards</b>	Vapour is heavier than air and is an explosive hazard.			
<b>Protective Equipment for Fire-Fighting</b>	Fire fighters require self-contained breathing apparatus and the necessary personal protective clothing.			
6. ACCIDENTAL RELEASE MEASURES				
<b>Personal Precautions</b>	Wear appropriate protective clothing, approved respirator, gloves, goggles etc.			
<b>Environmental Precautions</b>	Prevent the material from entering drains or watercourses.			
<b>Spillages</b>	Contain and absorb using earth, sand or other inert material. Neutralise with 5% ammonia solution. Collect for specialist disposal. If product enters a watercourse or sewer inform the Police, Fire Brigade, Local Authority or Water Company immediately.			
7. HANDLING & STORAGE				
<b>Handling</b>	Wear recommended personal protective equipment. Ensure thorough ventilation			

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	of stores and wash areas.	
<b>Storage</b>	Store away from oxidising agents. Store at a temperature sufficiently high to avoid the formation of polymers.	
<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>		
<b>Occupational Exposure Standards</b>	<b>Long Term</b>	<b>Short Term</b>
Formaldehyde MEL	2.5mg/m <sup>3</sup> 8hr TWA	2.5mg/m <sup>3</sup> 10min TWA
Gluteraldehyde	0.05ppm	
<b>Respiratory Protection</b>	Full-face respirator or air fed hood if levels exceed the Maximum Exposure Limits.	
<b>Hand Protection</b>	PVC or rubber gloves.	
<b>Eye Protection</b>	Chemical goggles or face shield.	
<b>Body Protection</b>	Wear: PVC or other impermeable suit. PVC or rubber boots.	
<b>9. PHYSICAL &amp; CHEMICAL PROPERTIES</b>		
<b>Physical State</b>	Liquid	
<b>Colour</b>	Pale Yellow	
<b>pH</b>	5.00 – 7.00	
<b>Relative Density</b>	1.01 – 1.04 @ 20°C	
<b>Solubility in Water</b>	Soluble	
<b>10. STABILITY &amp; REACTIVITY</b>		
<b>Stability</b>	Stable when stored under recommended conditions.	
<b>Conditions to Avoid</b>	Extremes of temperature.	
<b>Materials to Avoid</b>	Oxidising agents, Hydrochloric acid. Solutions can cause corrosion and be subsequently discoloured by iron, copper, zinc and nickel alloys.	
<b>Hazardous Decomposition Products</b>	High temperatures generate pungent and dangerous fumes of formaldehyde and ammonia.	
<b>11. TOXICOLOGICAL INFORMATION</b>		
Formaldehyde	LD50 (Oral, Rat) 800mg/kg (as 100% Formaldehyde)	
<b>12. ECOLOGICAL INFORMATION</b>		
<b>Persistence/Degradability</b>	Biodegradable in soil and water.	
<b>Bio-accumulation</b>	Product is not expected to bioaccumulate	
<b>Environmental Toxicity</b>	Very toxic to aquatic organisms.	
<b>13. DISPOSAL</b>		
<b>Product Disposal</b>	Dispose of in accordance with all applicable local and national regulations.	
<b>Container Disposal</b>	Where possible, containers should be rinsed with clean water and disposed of in line with local regulations.	
<b>14. TRANSPORT INFORMATION</b>		
<b>TRANSPORT BY ROAD</b>	Rail/Road (RID/ADR)	
<b>Transport denomination</b>	Corrosive Liquid N.O.S. (contains Formaldehyde, Gluteraldehyde, Benzalkonium chloride)	
<b>Class</b>	8	
<b>UN Number</b>	1760	
<b>Packing Group</b>	III	
<b>TRANSPORT BY SEA</b>	IMDG	
<b>Transport denomination</b>	Corrosive Liquid N.O.S. (contains Formaldehyde, Gluteraldehyde, Benzalkonium chloride)	
<b>Class</b>	8	
<b>UN Number</b>	1760	
<b>Packing Group</b>	III	
<b>15. REGULATORY INFORMATION</b>		

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<b>Labelling</b>	Toxic, Dangerous for the Environment	<b>Symbol (s)</b>	T, N
<b>Risk Phrases</b>			
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.		
R34	Causes burns.		
R40	Possible risk of irreversible effects.		
R43	May cause sensitisation by skin contact.		
R50	Very toxic to aquatic organisms.		
<b>Safety Phrases</b>			
S26	In case on contact with eyes, rinse immediately with plenty of water and seek medical advice.		
S36/37	Wear suitable protective clothing and gloves.		
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).		
S51	Use only in well ventilated areas.		
<b>16. OTHER INFORMATION</b>			
The safety data sheet is additional to the technical data sheet but does not replace it. The information given herein is to the best of our knowledge correct and given in good faith. It relates to the product in the state in which it is delivered. This product is for the uses specified and should only be used for those purposes. Any other use may involve risks. The user will take sole responsibility for the precautions relating to the use of the product. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.			
<b>SDS date revised</b> 18.10.2007		<b>Replaces SDS issued</b> 01.06.2003	