



better products for a cleaner environment

## ***ACTION 170 S*** **Spray Extraction Detergent**

### **Product Description**

***ACTION 170 S*** is a liquid detergent specially formulated for use with carpet and upholstery spray extraction cleaning machines. Blended with powerful soil emulsifiers, optical brighteners, anti foaming agents and a pleasant perfume, ***ACTION 170 S*** is the ideal multi-function chemical product to use on carpet and upholstery.

### **Areas of Use**

***ACTION 170 S*** safely and effectively cleans most common natural or synthetic fibres. Use on carpets, rugs, floor/entrance matting, sofas, fabric chair seats and backs, cushions and fabric automobile upholstery.

### **Special Features**

- Contains no chlorinated solvents or bleaching agents- does not stain or discolour common fabric like cotton, wool, acrylic, nylon and polypropylene.
- Suitable for both hot or cold water extraction.
- Low foaming to allow easy rinsing of fabric.
- Optical brighteners restore fibres to their original lustre and colours.
- Leaves a pleasant fragrance after use.
- Fully & rapidly biodegradable.

### **Directions for Use**

Dry vacuuming regularly and just before spray extraction is always recommended. If there are heavy or deep stains, pre-treat the stain with a good stain remover such as ***POWER SPOTTER*** prior to cleaning.

- Normal soils, dilute 1:80 with water
- Heavy soils, dilute 1:50 with water

Note: Overwetting of carpet may cause shrinkage and browning. This is not due to the detergent. Due to the variety of fibres and colours available, always test on an inconspicuous area first.

### **Precautions**

As with most chemicals, avoid ingestion and eye contact. Wash hands thoroughly after use.

KLENCO (SINGAPORE) PTE LTD

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# MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
<b>Product Name:</b> ACTION 170 S			<b>Distributor:</b> KLENCO (SINGAPORE) PTE LTD		
<b>Description:</b> Spray Extraction Detergent			<b>Address:</b> 18 Gul Crescent, Singapore 629527		
<b>Date of MSDS:</b> September 2004			<b>Tel:</b> (65) 6862 3388		
SECTION 2 - INFORMATION ON INGREDIENTS					
Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
Sodium metasilicate	< 5	2 mg/m <sup>3</sup>			
Non-hazardous ingredients	< 100				
SECTION 3 - HAZARDS IDENTIFICATION					
<b>Emergency Overview:</b> Ingestion may cause nausea, vomiting, pain, upset stomach, diarrhea. May cause eye irritation. Do not swallow. See sections 3, 5 and 6.					
<b>Primary Routes of Exposure:</b> Skin and eyes					
<b>Eye Contact:</b> May cause reddening of eyes and intense irritation.					
<b>Skin Contact:</b> Accidental contact may cause irritation.					
<b>Inhalation:</b> Exposure is unlikely.					
<b>Ingestion:</b> Exposure is unlikely. May cause nausea, vomiting, pain, and stomach upset.					
<b>Target Organs/Chronic Effects:</b> None known.					
<b>Conditions Aggravated By Exposure:</b> Exposure to this product is not expected to contribute, worsen or aggravate any pre-existing medical conditions.					
SECTION 4 - FIRST AID MEASURES					
<b>Eye Contact:</b> Flush with cool water for at least 15 minutes. Then consult a physician immediately.					
<b>Skin:</b> Wash with large amounts of soap and water. If irritation persists, consult a physician.					
<b>Ingestion:</b> Induce vomiting. Dilute by drinking water. Call a physician immediately.					
<b>Inhalation:</b> Move to area of fresh air. If breathing has stopped, artificial respiration should be started. Oxygen may be administered if available. Call a physician. Never give anything by mouth to an unconscious person.					
<b>Notes to Physicians:</b> Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.					
SECTION 5 - FIRE FIGHTING METHODS					
<b>Flash Point (T.C.C.):</b> None to boiling		<b>Flammable Limits - Upper:</b> NA <b>Lower:</b> NA			
<b>Extinguishing Media:</b> Water, dry chemical, carbon dioxide and foam.					
<b>Special Fire Fighting Procedure:</b> Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment					
<b>Unusual Fire/Explosion Hazards:</b> None					
<b>Hazardous Decomposition Products:</b> Burning can produce carbon dioxide and/or carbon monoxide.					
SECTION 6 - ACCIDENTAL RELEASE MEASURES					
<b>Evacuation:</b> No special procedures are usually necessary.					
<b>Containment:</b> Safely stop discharge. Contain material, as necessary, with dike or barrier. Stop material from contaminating soil or from entering sewers or bodies of water.					
<b>Collection And Disposal:</b> Stop discharge, if safe to do so. Use proper protective equipment. Cover spills with absorbent clay, sawdust or inert material and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.					
SECTION 7 - HANDLING AND STORAGE					
<b>Storage Conditions:</b> Store in cool, dry, well ventilated area at room temperature. Store away from any oxidizing materials.					
<b>Transfer:</b> No special precautions are needed. Follow good manufacturing and handling practices.					
<b>Personal Hygiene:</b> Wash thoroughly after handling, especially before eating and drinking, Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.					
<b>Empty Container Precautions:</b> Do not re-use empty container for food, clothing or products for human or animal consumption or where skin contact can occur.					
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION					
<b>Exposure Guidelines:</b>					
<b>ACGIH - TLV:</b> Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.					
<b>Engineering Controls/Ventilation:</b> Local exhaust ventilation is recommended when vapours, mist, or dusts can be released.					
<b>Respiratory Protection:</b> Normally not required.					
<b>Eye Protection:</b> Safety glasses / goggles.					
<b>Hand Protection:</b> Rubber / PVC gloves					
<b>Other Protective Clothing:</b> Normal work clothing covering arms and legs.					

<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance &amp; Odour:</b>	Amber liquid with pleasant odour.
<b>Solubility in water:</b>	Complete.
<b>Boiling Point:</b>	100 <sup>o</sup> C
<b>Specific Gravity:</b>	1.050 +/- 0.005 g/cm <sup>3</sup>
<b>PH:</b>	13.0 +/- 0.3
<b>Vapour Pressure:</b>	Not determined
<b>Vapour Density:</b>	Not determined
<b>SECTION 10 - STABILITY AND REACTIVITY</b>	
<b>Chemical Stability:</b>	Stable under normal conditions of use.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Not applicable.
<b>Incompatibility With Other Materials:</b>	Strong acid, soaps, anionic surfactants, strong oxidizing materials.
<b>SECTION 11 - TOXICITY INFORMATION</b>	
<b>Components:</b>	This product contains sodium meta-silicate that may cause irritation to eyes and/or skin. Ingestion of high amount of product may be fatal.
<b>SECTION 12 - ECOLOGICAL INFORMATION</b>	
<b>Environmental Fate and Distribution:</b>	It is soluble in water and does not bio-accumulate.
<b>Persistence and Degradation:</b>	Product degrades readily by reaction of carbon dioxide in the air as well as decomposition by microorganism.
<b>Toxicity:</b>	Concentrations with a pH value of 10.5 or greater especially in fresh water may be fatal to fish and other aquatic organism. Can cause damage to aquatic plants and vegetation.
<b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>	
<b>Disposal:</b>	Dispose in an approved waste facility according to local regulations.
<b>General Recommendations:</b>	Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) Re-cycle or rework, if feasible (2) Incinerate at an authorized facility (3) Treat at an acceptable waste treatment facility.
<b>SECTION 14 - TRANSPORT INFORMATION</b>	
This material is non-regulated and no special requirement is necessary.	
<b>SECTION 15 - REGULATORY INFORMATION</b>	
<b>Classification:</b>	This product contains sodium meta-silicate as an ingredient that is classified as corrosive under EC Classification.
<b>Ozone Depleting Chemicals:</b>	No regulated ingredients.
<b>SECTION 16 - OTHER INFORMATION</b>	
<b>Hazard Rating:</b>	HMIS (Hazardous Materials Information System)
<b>HEALTH:</b>	2
<b>FLAMMABILITY:</b>	0
<b>REACTIVITY:</b>	0
<b>0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme</b>	

**NOTICE:** MSDS is correct at date of publication. It is not necessarily fully adequate for every circumstance, nor to be confused with or followed in violation of applicable laws or insurance requirements. Health hazards and effects of over-exposure apply only to negligent handling or misuse of product in its concentrated form (as supplied); and not routine exposure to diluted product under normal use. No warranty, express or implied, of merchantability, fitness or accuracy of data is made; as such the vendor assumes no responsibility for injury or damages resulting from use of this product.