



MATERIAL SAFETY DATA SHEET  
MULTI SURFACE  
PREPARATORY  
SOLUTION

**1. IDENTIFICATION**

Product name: Multi Surface Preparatory Solution  
Supplier: Pat McDonnell Paint Sales  
Centrepoint  
Centre Park Road  
Cork  
Tel No.: 021-4320200

**2. COMPOSITION**

A detergent sanitizer preparation containing cationic surfactants water conditioning agents and alkaline buffering agents.

**Harmful Component**

Name	Weight	EINECS No.	CAS No.	Symbol(s)	R-Phrases
Benzalkonium chloride	5%	269-919-4	63449-41-2	Xn	22.34.50

**3. HAZARDS IDENTIFICATION**

Main Hazard – Harmful if swallowed, irritating to eyes, toxic to aquatic organisms.

**4. FIRST AID MEASURES**

Inhalation: n/a  
Skin Contact: Drench immediately with copious amounts of water. If irritation persists obtain medical attention.

Eye Contact: Immediately flood the eye with clean water for at least 15 minutes ensuring the corners and under both eyelids are adequately flushed. Obtain medical attention for all cases where contact with the eye occurs.

Ingestion: Do not induce vomiting. Provided the patient is conscious, wash out the mouth with water and give plenty of water to drink. Obtain medical attention if necessary.

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water, water spray, dry powder, foam carbon dioxide.

Hazardous decomposition products: Fire may liberate toxic fumes.

Special protective equipment: Use self-contained breathing apparatus when in close proximity to fire. Protect skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

Refer to point No.8 and No.13 for information on personal protective equipment and disposal.

Small Spillage: Dilute and wash away with large amounts of water taking care to avoid splashing.

Large Spillage: Keep unauthorized personnel away from the immediate area. If appropriate inform the police, fire brigade, local authority and EPA. Contain the spillage using sand or earth for subsequent disposal. Keep away from drains and prevent from entering watercourse. (i.e. rivers, canals etc.)

## 7. HANDLING AND STORAGE

7.1 Handling: Contact with eyes and skin must be avoided. Refer to point No.8 for information on personal protective equipment.

7.2 Storage: Store in original containers away from strong oxidizing/reducing agents and acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Direct contact with the skin must be prevented. The generation of mists in areas where ventilation is insufficient for removal should be avoided.

Occupational exposure limits: No data

Respiratory Protection: n/a, ventilation or local exhaust

Hand Protection: PVC or rubber gloves

Eye Protection: Close fitting chemical goggles or safety glasses

Skin Protection: Cotton or PVC overalls: PVC or rubber boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless/light yellow liquid
Oxidising Properties:	n/a
Boiling Point (°C):	approx 100 °C
Freezing Point:	n/a
Relative Density (at 20 °C):	1.000-1.020
Viscosity (cP at 20 °C):	Low
Odour:	Mild/typical      ph 10-12
Solubility in water:	Completely soluble
Flash Point/Flammability/Autoflammability/Explosive Properties:	Non-flammable

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products:	None if stored normally

## 11. TOXICOLOGICAL INFORMATION

Short Term Effects of Over Exposure:

Inhalation:	May cause irritation of respiratory tract.
Skin Contact:	Irritating.
Eye Contact:	Irritating.
Ingestion:	Irritating. Abdominal pain.
LD50 Rat (oral):	No data

Long Term Effects of Over Exposure: Acute effects predominate.

## 12. ECOLOGICAL INFORMATION

The formulation may be harmful to organic life.

## 13. DISPOSAL INFORMATION

Small quantities of material can be disposed of by washing away with water. For large quantities a specialist waste disposal firm should be used. Dispose of material safely and in accordance with Local Authority Requirements.

## 14. TRANSPORT INFORMATION

UN Number: 1760

Classification: 8

## 15. REGULATORY INFORMATION (EC Directive 88/379/EC)

Dangerous component: Benzakonium chloride  
EC Classification: Irritant  
Symbols(s): Xi  
Risk Phrase: Irritating to eyes  
Safety Phrases: S28. After contact with skin wash immediately with plenty of water.  
S36/39 – Wear suitable protective clothing and eye/face protection.

## 16. OTHER INFORMATION

See product data sheet.

### **Important Note:**

1. Before any product is used the label should be carefully read and current safety literature and information consulted.
2. The product information in this Data Sheet is to the best of our knowledge correct as at the date of publication. User should contact Water Technolgh Limited for updated advice and in any event satisfy himself that the product is entirely suitable for his purpose.



### PRODUCT SPECIFICATION

Product Name: Multi Surface Preparatory Solution  
Specification No.:  
Date Originated:  
Revision No.:  
Page: 1 of 1  
Approved by:

#### **DESCRIPTION**

A powerful bactericide based on a quaternary ammonium salt (alkyl dimethyl benzyl ammonium chloride) water conditioning agents, alkali donating and pH buffering inorganic builders.

#### **APPEARANCE**

Clear low viscosity liquid.

#### **USAGE/CONTROL**

Gross contamination: 1:400 with water (= 500ppm active quart)  
Routine disinfection: 1:800 with water (= 250ppm active quart)  
Final rinse: 1:2000 with water (= 100ppm active quart)  
Operating temperature ambient: 80°C depending on application.

#### **HANDLING/COMPATIBILITY**

Wear goggles and gloves when handling concentrate. Do not mix with any other chemical. Refer to Material safety data sheet for further details.

#### **STORAGE**

Store in original containers.

#### **PACKAGING**

750ml, 5L, 2.5L

#### **QUALITY CONTROL DATA**

	TEST	VALUE	TEST METHOD
QUICK CHECKS:	SPECIFIC GRAVITY (20 °C)	1.00 – 1.02	Standard
FUNCTIONAL TESTS:	QUATERNARY AMMONIUM COMPOUND (%w/w)	18-25	WTL Test CM024