

## SAFETY DATA SHEET

**MULTI-KLEEN****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME MULTI-KLEEN  
 PRODUCT NO. AJMKB  
 SUPPLIER Astral Chemical Solutions Ltd.  
 P.O. Box 250  
 Whitefield  
 Manchester M45 8XQ  
 0161 767 8219



**EMERGENCY TELEPHONE: (+00 44) (0)161 620 5400 NOTE! TO BE USED FOR CHEMICAL EMERGENCIES ONLY!!!**

**2 HAZARDS IDENTIFICATION**

Not regarded as a health or environmental hazard under current legislation.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
ALIPHATIC ALCOHOLS, C13-15, LARGELY LINEAR, ETHOXYLATED PHOSPHATE ESTER		72283-31-9	1-5%	Xn;R22. Xi;R41. N;R50.
POTASSIUM HYDROXIDE	215-181-3	1310-58-3	< 1%	C;R35 Xn;R22
QUATERNARY COCO ALKYLAMINE ETHOXYLATE		68989-03-7	< 1%	Xi;R41. N;R51/53.
SODIUM ALKYL BENZENE SULPHONATE	285-600-2	85117-50-6	1-5%	Xn;R22. Xi;R36/38.
SODIUM HYDROXIDE	215-185-5	1310-73-2	< 1%	C;R35

The Full Text for all R-Phrases are Displayed in Section 16

**4 FIRST-AID MEASURES****INHALATION**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**INGESTION**

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

**SKIN CONTACT**

Remove affected person from source of contamination. Get medical attention if irritation persists after washing.

**EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**6 ACCIDENTAL RELEASE MEASURES****SPILL CLEAN UP METHODS**

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**MULTI-KLEEN**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
POTASSIUM HYDROXIDE	WEL				2 mg/m3
SODIUM HYDROXIDE	WEL				2 mg/m3

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT**



**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves.

**EYE PROTECTION**

Wear approved chemical safety goggles where eye exposure is reasonably probable.

**OTHER PROTECTION**

Wear appropriate clothing to prevent any possibility of skin contact.

**HYGIENE MEASURES**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid		
COLOUR	Yellow		
ODOUR	Characteristic		
SOLUBILITY	Soluble in water		
RELATIVE DENSITY	>1.0 @20	pH-VALUE, CONC. SOLUTION	12-13
FLASH POINT (°C)	na N/A.		

**10 STABILITY AND REACTIVITY**

**STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid excessive heat for prolonged periods of time.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

**11 TOXICOLOGICAL INFORMATION**

**INHALATION**

Gas or vapour may irritate respiratory system.

**INGESTION**

Gastrointestinal symptoms, including upset stomach.

**SKIN CONTACT**

Prolonged contact may cause dryness of the skin.

**EYE CONTACT**

Irritating to eyes.

**HEALTH WARNINGS**

No specific health warnings noted.

**MULTI-KLEEN**

ROUTE OF ENTRY

Ingestion. Inhalation. Skin and/or eye contact.

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12 ECOLOGICAL INFORMATION

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ECOTOXICITY

Not regarded as dangerous for the environment.

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13 DISPOSAL CONSIDERATIONS

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DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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14 TRANSPORT INFORMATION

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GENERAL	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).		
	No transport warning sign required.		
RAIL TRANSPORT NOTES	Not Classified.		
SEA TRANSPORT NOTES	Not Classified.		
AIR TRANSPORT NOTES	Not Classified.		
ADR CLASS	Not classified for transportation.	MARINE POLLUTANT	No.

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15 REGULATORY INFORMATION

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RISK PHRASES

NC Not classified.

SAFETY PHRASES

P13 Safety data sheet available for professional user on request.  
 S2 Keep out of the reach of children  
 S46 If swallowed, seek medical advice immediately and show this container or label.

DETERGENT LABELLING

5-15% Phosphates  
 Anionic surfactants  
 < 5% Non-ionic surfactants  
 Cationic surfactants  
 NTA (nitrilotriacetic acid) and salts thereof  
 Perfumes  
 Contains CITRAL

UK REGULATORY REFERENCES

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.  
 The Control of Substances Hazardous to Health Regulations 2002.

STATUTORY INSTRUMENTS

The Control of Substances Hazardous to Health Regulations 2002.  
 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.  
 Introduction to Local Exhaust Ventilation HS(G)37.  
 CHIP for everyone HSG(108).

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16 OTHER INFORMATION

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INFORMATION SOURCES

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION DATE 15/06/2007

## MULTI-KLEEN

REV. NO./REPL. SDS GENERATED 3

### RISK PHRASES IN FULL

R22	Harmful if swallowed.
R35	Causes severe burns.
R36/38	Irritating to eyes and skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.