

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: METPREP LTD.
CURRIERS CLOSE
CHARTER AVENUE
COVENTRY CV4 8AW

TELEPHONE: PRODUCT INFORMATION: 024 7642 1222

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CHEMICAL NAME:

PRODUCT: ULTRACLEAN I

PRODUCT NUMBERS: 18 80 02

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION: A complex emulsion of anionic and non-ionic surface active agents, stabilizing agents, alkalis, non-phosphate detergent builders and sequestering agents in an aqueous base.

INGREDIENT (S):	CAS NUMBER:	%
Potassium Hydroxide	1310-58-3	<3

3. HAZARDS IDENTIFICATION

Xi Irritant. May cause irritation to skin, especially if exposure is prolonged.
May cause severe eye irritation.

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES: In general, no special measures required.

INHALATION: Remove to fresh air. Get medical help if discomfort persists.
EYES: Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
SKIN: Wash with soap and water. Get medical help if discomfort persists.
INGESTION: If ingested, drink copious amounts of fresh water and seek immediate medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHER METHOD: Water spray, carbon dioxide, dry chemical, foam

UNSUITABLE METHODS: Water with full jet

SPECIAL FIRE FIGHTING PROCEDURES: No special measures required

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSON RELATED SAFETY PRECAUTION: Avoid eye and skin contact.
MEASURES FOR ENVIRONMENTAL PROTECTION: Dispose of in accordance with local authority guidelines.
MEASURES FOR CLEANING/COLLECTING: Absorb large spillage with sand or any suitable medium.
ADDITIONAL INFORMATION: Small spillage may be flushed away with plenty of water to a drain or sewer.

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7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid contact with eye or skin. Use glass, ceramic, plastic (not polycarbonate) or stainless steel vessels for working solutions.

INFORMATION ABOUT FIRE- AND EXPLOSION PROTECTION: No special measures required.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store the concentrate at ambient temperature, out of direct sunlight, sealed in the container in which it is supplied, and away from acids and aluminium.

STORAGE TEMPERATURE: Preferably not exceeding 35 ° C.

OTHER PRECAUTIONS: Wash thoroughly after use and before eating or smoking.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:
HAZARDOUS INGREDIENT (S) - None

PERSONAL PROTECTIVE EQUIPMENT

GENERAL PROTECTIVE AND HYGIENE MEASURES: The usual precautionary measures are to be adhered to when handling chemicals.

RESPIRATORY PROTECTION (SPECIFY TYPE): Not necessary if room is well ventilated.

VENTILATION: Local exhaust at processing equipment.

PROTECTIVE GLOVES: Protective gloves.

EYE PROTECTION: Safety glasses or chemical splash goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Non-viscous liquid concentrate

COLOUR: Milky white

ODOUR: Faint odour

MELTING POINT: -3.8 °C

BOILING POINT: 100.5 °C

VAPOUR PRESSURE: 17.1 mm Hg at 20 °C

PERCENT VOLATILE W/W%: NA

DENSITY: 1.083 g/cm³

EVAPORATION RATE: 0.34

FLASH POINT: NA

FLAMMABILITY: Product is not flammable

AUTOIGNITION TEMPERATURE: NA

FLAMMABLE LIMIT, AIR VOL % LOWER: NA
UPPER: NA

SOLUBILITY IN WATER: Totally soluble in water. Miscible with water soluble solvents

PH: The concentrate has a pH in excess of 13

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: May react violently with strong acids. May produce hydrogen in contact with aluminium.

INCOMPATIBILITY (MATERIALS TO AVOID): Will tend to corrode non-ferrous metals, notably aluminium and zinc

HAZARDOUS DECOMPOSITION PRODUCTS: None

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HAZARDOUS POLYMERIZATION:

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

LD/LC50 VALUES RELEVANT FOR CLASSIFICATION:

No known evidence of carcinogenicity, mutagenicity or reproductive toxicity

PRIMARY IRRITANT EFFECT:

ON THE SKIN: Irritating

ON THE EYE: Irritating

SENSITISATION: Sensitization possible through skin contact.

ADDITIONAL TOXICOLOGICAL INFORMATION: Should not be ingested. Toxicity is low, but high alkalinity is likely to be harmful.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

ECOLOGICAL TOXICITY: Ultraclean I is biodegradable. Ready biodegradability by OECD 301E

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose of in accordance with regional and/or national regulations.

14. TRANSPORTATION INFORMATION

NON-HAZARDOUS
SHIPPING NAME:

15. REGULATORY INFORMATION

LABELLING ACCORDING TO EU GUIDELINES:

	Xi	Irritant
Risk phrase numbers	R36/38	Irritating to the eyes and skin
Safety phrase numbers	S24/25 S26	Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

None

The data sheet was prepared in accordance with Directive 91/155/EEC

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