



SAFETY DATA SHEET

MEDIHEX-05

Section 1 – IDENTIFICATION OF THE PRODUCT AND COMPANY

- 1.1 Trade Name: MEDIHEX-05
- 1.2 Type of Product: Hand sanitiser
- 1.3 Manufacturer/Supplier: MediChem International Ltd
- 1.4 Marketing Address: PO Box 237, Sevenoaks, Kent TN15 0ZJ
 TEL: 01732 763555, FAX: 01732 763530
 Email: info@medichem.co.uk www.medi-chem.com
- 1.5 Manufacturing Address: Stalham Business Park, Rushenden Road, Queenborough, Kent ME11 5HE
 TEL: 01795 581151, FAX: 01795 581256

Section 2 – COMPOSITION/INFORMATION ON INGREDIENTS

- 2.1 Chemical Type: Alcoholic solution containing biocide fragrance.
- 2.2 Major Hazardous Ingredients:
- | Substance | CAS No. | EINECS/ELINECS | Classification | Conc |
|---------------------------|------------|----------------|------------------------|-------------|
| Isopropanol | 67-63-0 | 200-661-7 | F:R11 Xi:R36, 67 | Approx. 70% |
| Chlorhexidine digluconate | 18472-51-0 | 242-354-0 | Xi : R36/38
N : R50 | 0.3-0.7% |

Section 3 – HAZARDS IDENTIFICATION

- 3.1 Flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness. The product contains a substance that has a Workplace Exposure Limit.

Section 4 – FIRST-AID MEASURES

- (Must be taken immediately)
- 4.1 Inhalation: Avoid long term inhalation of neat liquid. Remove to fresh air. Seek medical advice immediately.
- 4.2 Eye contact: Rinse eyes with water copiously for 10 minutes. If necessary (e.g. irritation persists) Consult an eye specialist/ophthalmologist.
- 4.3 Skin contact: Avoid contact. Wash affected area with soap and water immediately. Remove Contaminated clothing.
- 4.4 Ingestion: **Do not** induce vomiting. Give milk or water to drink. Seek medical advice where necessary.

Section 5 – FIRE-FIGHTING MEASURES

- (The product is flammable)
- 5.1 Extinguishing media: To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)
- 5.2 Media not to be used: Strong water jet.
- 5.3 Specific hazard: Burning of residue produces toxic fumes.
- 5.4 Specific protective measures for fire fighters: Breathing apparatus should be worn.
- 5.5 Further information: Avoid run-off water entering drains (e.g. use barriers)

Section 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 Environmental precautions: Do not rinse to drain.
- 6.2 Clean-up method: Remove all sources of ignition – No Smoking! Adhere to personal protective measures. Soak up with inert material into tightly closed containers. Label container and dispose of in accordance with Local Authority regulations.
- 6.3 Clothing for disposal: No special clothing normally required.

Section 7 – HANDLING AND STORAGE

- 7.1 Handling guidelines: Use in a well ventilated area and wear appropriate equipment. Keep away from sources of ignition – No smoking. Not to be mixed with other chemicals, other than as instructed. Keep from children.
- 7.2 Storage guidelines: Store away from strong oxidizing, in a dry place not below 0°C. or above 30°C and out of direct sunlight. Keep lidded. Keep from foodstuffs and drinks.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Personal protection: Use with care, avoid eye contact and prolonged skin contact. Gloves and safety glasses recommended if available. External use only. Not for ingestion.
- 8.2 Skin contact: Low risk: may degrease skin leading to dryness if excessive contact.
- 8.3 Eye contact: Low risk: may cause temporary discomfort.
- 8.4 Inhalation: Low risk: avoid inhalation of fine mist spray.
- 8.5 Inhalation (long term): Low risk: avoid inhalation of fine mist spray.
- 8.6 Ingestion: Low risk: substantial ingestion will cause discomfort to mouth and digestive tissues.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical State: Liquid.
- 9.2 Appearance and Odour: Green with citrus fragrance, clear with low odour, yellow with lemon fragrance, blue with Eucalyptus fragrance, and mauve with lavender fragrance.
- 9.3 Evaporation Rate: As water.
- 9.4 Boiling Point: 110°C.
- 9.5 Freezing Point: -20°C.
- 9.6 % Volatile (by weight): >95%.
- 9.7 Solubility in Water (20°C): Soluble.
- 9.8 pH: 5.5 – 6.0 as concentrate, 5.5 approximately in dilution.
- 9.9 Specific Gravity: 1.000 @ 20°C.

Section 10 – STABILITY AND REACTIVITY

- 10.1 No decomposition if stored and used as directed.
- 10.2 Hazardous decomposition products: None under normal use.
- 10.3 If mixed with strong alkali; may neutralise or reduce disinfectant qualities.

Section 11 – TOXICOLOGICAL INFORMATION

- 11.1 Human Studies: 4- & 20-hours patch tests have shown minor skin reddening but no harmful effects.

Section 12 – ECOLOGICAL INFORMATION

- 12.1 No known adverse effects from normal use.

Section 13 – DISPOSAL CONSIDERATIONS

- 13.1 Packaging: Can be disposed of as normal waste in accordance with local authority regulations.
- 13.2 Contaminated Packaging: May be disposed of safely under normal conditions in accordance with local authority regulations.
- 13.3 Product: Solution to be disposed of in accordance with spillage instructions as detailed in Section 6.

Section 14 – TRANSPORT INFORMATION

- 14.1 No special conditions apply. Not dangerous.

Section 15 – REGULATORY INFORMATION

- * Not a licensed medicine.

Section 16 – OTHER INFORMATION

SAFETY PHRASES

- (2) Keep out of reach of children.
- (24/25) Avoid contact with the skin and eyes.
- (50) Do not mix with other chemicals.

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.