



better products for a cleaner environment

FOUR SEASONS

Neutral Multi Purpose Cleaner

Product Description

FOUR SEASONS is a neutral pH floor cleaning agent developed for maintaining floor finishes and is especially suited for use on KLENCO's line of floor dressings. The positive emulsion technology gives excellent cleaning results, yet does not dull floors or floor finishes. **FOUR SEASONS** helps to bring out the original beauty of the floor, and is an essential part of any floor care program.

Areas of Use

FOUR SEASONS is ideal for cleaning polished or unpolished hard floors such as vinyl, ceramic tiles, marble, granite etc.

Special Features

- Powerful electrochemical ingredient makes positive emulsion so strong that activated oily soil cannot redeposit during cleaning job
- New chelation chemistry eliminates hard water haze
- Contains no inorganic ingredients and has neutral pH value, preventing dulling of floor finishes
- Special optical brighteners bring out original beauty of the floor
- Rinses away easily after cleaning

Directions for Use

Various modes of application are possible, including damp mopping, wet scrubbing with low or high-speed single disc machines or with autoscrubbers. The recommended dilution rates with water are:

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| Light soil | ~ 1:120 |
| Medium soil | ~ 1: 60 |
| Heavy soil | ~ 1: 30 |

After cleaning, remove residue with wet/dry vacuum cleaner or by mopping with water.

Precautions

As with most chemical products, avoid ingestion and eye contact. If ingested, dilute by drinking water and seek medical help. If product enters eyes, flush with water and seek medical help.

SAFETY DATA SHEET


SECTION 1 - IDENTIFICATION

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| Product Identifier: FOUR SEASONS | Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist |
| Other means of identification: Neutral Multi Purpose Cleaner | Phone: (65) 6862 3388 |
| Date of SDS: 30 June 2011 | Fax: (65) 6861 7575 |
| Recommended use and restriction on use: FOUR SEASONS is ideal for cleaning polished or unpolished hard floors such as vinyl, ceramic tiles, marble, granite etc. | Email: www.klenco-asia.com Emergency contact: (65) 6862 3388 |

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

| Chemical Identification | Component & Composition | Chemical Formula | CAS NO. | EC NO. |
|---------------------------------------|-------------------------|---|------------|-----------|
| Ethylene glycol butyl ether | < 1.0% | CH3(CH2)3OCH2CH2OH | 111-76-2 | 203-905-0 |
| Nonyl phenol Ethoxylate | < 4.0 % | C ₃₃ H ₆₀ O ₁₀ | 26571-11-9 | 247-816-5 |
| Disodium cocoampho dipropionate | < 2.0 % | | 68604-71-7 | 271-704-5 |
| Alkylbenzyltrimethylammonium chloride | < 1.0 % | C ₂₁ H ₃₈ NCI | 68424-85-1 | 270-325-2 |
| Citric acid | < 0.02 % | C ₆ H ₈ O ₇ | 77-92-9 | 201-069-1 |
| Yellow dye | < 0.01 % | - | NA | NA |
| Blue dye | < 0.01 % | - | NA | NA |
| Perfume | < 0.2 % | Mixture | NA | NA |
| Water | > 90.0 % | H ₂ O | 7732-18-5 | 231-791-2 |

SECTION 3 - HAZARDS IDENTIFICATION

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| GHS classification: Acute toxicity: Category 4; Eye irritation: Category 2 |
| GHS label elements: Pictogram:  Signal words: Warning |
| Hazard statements: H302: Harmful if swallowed H320: Causes eye irritation |
| Precaution statements: P102: Keep out of reach of children. P233: Keep container tightly closed. P262: Do not get in eyes. |

SECTION 4 – FIRST AID MEASURES

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| Inhalation: | 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. |
| Skin contact: | Wash with large amounts of soap and water. If irritation persists, consult a physician. |
| Eye contact: | Flush with cool water for at least 15 minutes. Then consult a physician immediately. |
| Ingestion: | Do not induce vomiting. Dilute by drinking water. Call a physician immediately. |
| Notes to Physicians: | Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy. |

SECTION 5 – FIRE-FIGHTING MEASURES

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| Suitable fire-extinguishing media: | Water, dry chemical, carbon dioxide and foam. |
| Specific hazards arising from the chemical: | Burning can produce carbon dioxide and/or carbon monoxide. |
| Special protective actions for fire fighters: | Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment. |

SECTION 6 - ACCIDENTAL RELEASE MEASURE

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| Personal precautions, protective equipment, and emergency measure: | Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc). |
| Environmental precautions: | Chemical substance should not be released into the environment (water, soil). |
| Methods and materials for containment and cleaning up: | Stop spill at source. Contain material, as necessary, with dike or barrier. Mop, shovel or absorb with inert material and place in sound containers. Rinse remaining residue with excess water. Prevent run-off. 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

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| Precaution for safe handling: | Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use. |
| Conditions for safe storage, including any incompatibilities: | Store in cool, dry, well-ventilated area at room temperature. 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 | |
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| Control parameters/ Occupational exposure limits: | ACGIH - TLV: Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels. |
| Appropriate engineering control measures: | Normally ventilation is not required. |
| Personal Protection: | Normally not required. Safety glasses / goggles can be worn if splashing is anticipated. |
| SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES | |
| Appearance & Odour: | Clear green liquid with pleasant odour. |
| Solubility in water: | Complete. |
| Boiling Point: | 100 °C |
| Specific Gravity: | 1.005 +/- 0.005 g/cm ³ |
| PH: | 7.5 +/- 0.5 |
| Flash Point (T.C.C.): | None to boiling |
| Flammable Limits - Upper: | Not applicable |
| Lower: | Not applicable |
| Vapour Pressure: | Not determined |
| Vapour Density: | Not determined |
| SECTION 10 - STABILITY AND REACTIVITY | |
| Reactivity/ In compatible materials: | None |
| Chemical stability: | Stable under normal temperature and pressure. |
| Possibility of hazardous reaction: | Will not occur. |
| Condition to avoid: | Not applicable |
| SECTION 11 – TOXICOLOGICAL INFORMATION | |
| Acute toxicity: Oral: | LD 50 (rat): > 4500 mg/kg |
| Skin or eye irritation: | This product contains chemical listed in Section 2 that may cause mild irritation in eyes and skin of some individuals. |
| SECTION 12 – ECOLOGICAL INFORMATION | |
| Persistence and degradability: | Product degrades readily by action of microorganism. |
| Bioaccumulative potential: | It is soluble in water and does not bio-accumulate. |
| SECTION 13 – DISPOSAL CONSIDERATIONS | |
| Disposal method: | Dispose off in an approved waste facility according to local regulations. 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. |
| SECTION 14 – TRANSPORT INFORMATION | |
| This material is non-regulated and no special requirement is necessary. | |
| SECTION 15 – REGULATORY INFORMATION | |
| International regulation: | |
| Classification: | This product has not been allocated any classification. |
| Risk phrases: | R22 Harmful if swallowed R36 Irritating to eyes |
| Safety phrases: | S02 Keep out of reach of children S07 Keep container tightly closed S25 Avoid contact with eyes |
| SECTION 16 – OTHER INFORMATION | |
| Hazard Rating: HMIS (Hazardous Materials Information System) | |
| HEALTH: | 1 |
| FLAMMABILITY: | 0 |
| REACTIVITY: | 0 |
| 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme | |

NOTICE: SDS 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.