



Material Safety Data Sheet

(Issued 28/08/09 in conformity with Schedule 4 of CHIP 3)

1. Identification of Product and Manufacturer

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| Name of Product: | FRESHCLEAN Multipurpose Cleaner for the Rail Industry |
| Supplier: | RJN Chemicals Ltd |
| Address: | Unit 6, Ridgeway Estate, Iver, Bucks. SL0 9HX |
| Telephone: | (00-44) 1753 655076 |
| Fax: | (00-44) 1753 652983 |
| Email: | info@freshclean.biz |

2. Composition/Information on Components

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| Chemical Nature: | A microcrystalline powder consisting of a blend of non-caustic, inorganic alkalis. THESE SUBSTANCES ARE NOT INCLUDED IN THE LIST OF DANGEROUS SUBSTANCES (ANNEXE 1 OF THE DIRECTIVE 67/548EEC). |
| Supply Category: | Not Regulated |
| R: | Not Regulated |

3. Identification of Risks

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| Inhalation | R27 Can be irritating to the respiratory tract. Can provoke a cough if inhaled. |
| Skin Contact | R38 Can be irritating to skin. |
| Eyes | R36 Can be irritating to eyes. |
| Ingestion | Can irritate the mouth, throat and alimentary Tract. |

4. First Aid Measures

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| Inhalation | S22 Do not breathe dust, move subject into open air. Administer oxygen if breathing is difficult. |
| Ingestion | S39 Wear face protection if appropriate. DO NOT provoke vomiting. Rinse mouth with water, consult a doctor. |
| Eyes | R36 Can be irritating to eyes. |
| Contact with Eyes | S26 In case of contact with eyes, rinse Immediately with plenty of water and seek medical advice. |
| Contact with skin: | S36 Wear suitable protective clothing. S37 Wear suitable gloves. |

5. Fire Fighting Measures

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| Method | Use a method appropriate to the environment of the fire e.g foam, powder, sand, or water spray. |
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6. Accidental Release Matters

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| Safety Precautions | Wear appropriate Personal Protection Equipment. |
| Environmental Precautions | Prevent entry into drains and water courses. Do not create dust. |
| Clean up Procedures | Vacuum or sweep up, place in suitable labelled containers. Hold for waste disposal. Wash spill site with plenty of water after material has been taken up. |

7. Handling and Storage

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| Handling | Good general ventilation. |
| Recommended procedures | Avoid unnecessary contact. Do not breathe dusts. |
| Storage | Temperature Range: Cool, Humidity Range: Dry. Keep away from Strong Acids and High Humidity. |
| Suitable Storage Media | Store in Original Containers. |

8. Exposure Controls/Personal Protection

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| Exposure limits | 10mg/c.m |
| total | 5mg/c.m respirable 8hrs TWA Type EH40 guidance |

Protective Measures

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| Respiratory | Type approved RPE for dusts if required |
| Hands | Gloves |
| Eyes | Protective goggles should be available if required |
| Skin | Overalls or similar protective clothing should be worn |
| Hygiene Measures | Always wash thoroughly after handling chemicals. |

9. Physical and Chemical Properties

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| Appearance | White powder or granules. |
| Melting Point /Range | 600 degrees C.+ |
| pH (solution of 10%) | 9.5 |
| Flammability | Not flammable under normal conditions of handling and use. |
| Relative density | 2.5gms/ml |
| Bulk Density | 0.5 – 1.0gm/ml |
| Solubility in water | 14.5g/100ml @ 25 degrees C. |

10. Stability & Reactivity

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| Stability | Stable under normal conditions |
| Conditions to avoid | High levels of Humidity |

11. Toxicological Information

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| Effects | Low acute oral toxicity. The alkaline nature of the product may cause irritation of the eyes, skin and mucous membranes. |
| LD50 | 6500 mg/kg oral-rat |

12. Ecological information

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| Effect on the environment | Product classified as zero hazard. |
| Mobility | Dissolves easily and can be carried into the soil by the rain. |
| Ecotoxicity | LC50 Daphnia Magna/24h:1550mg/1 LC50 Rainbow Trout/24h:768mg/1 LC50 Brown Shrimps/24h:3500mg/1 |

13. Disposal Considerations

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| Product | Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| Container | As per product instructions above |

14. Transport Information

Not Regulated for Transport.

15. Regulatory Information

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| Supply Label details | Ref CHIP 2 |
| Label Name | FreshClean |
| Symbol | 1 |
| Risk Phrases | 1 No risk or safety phrases stipulated. |
| Safety Phrases | 1 |

15. Regulatory Information

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| TOSCA | All the ingredients comprising this material are included in the U.S. Toxic Substances Control Act Inventory Issue No. 1 dated 01/07/1993. |
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