

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SANIGEL

| 1. Product and Company identification | |
|--|--|
| Product Name | SANIGEL |
| Product Description | Pine gel detergent |
| Manufacturer/ Supplier | Hychem (Pty) Ltd |
| Physical address | 11/13 Silverstone Crescent Kyalami Business Park Midrand |
| Postal Address | PO Box 5742; Rivonia; 2128 |
| Contact Details | Emergency: 011-4661885/073 442 4879 |

| 2. Composition/ Information on ingredients | |
|---|---------------------|
| Chemical Nature | Clear or yellow gel |
| Components contributing to the hazard | Pine oil |
| Chemical or generic name of components | Pine oil |
| Concentration range | Low |
| VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1% | |
| Classification and hazard labelling | XI Irritant |
| Major hazard | Mild Irritant |
| UN/ CAS | CAS 8002-09-3 |
| R-Phrases | R36 |

| 3. Hazard identification (Summary of most important hazards) | |
|---|---|
| Hazard category | XI Irritant (mild) |
| Adverse human health affects | Slightly irritating to the eyes |
| Environmental effects | None known |
| Classification of the chemical product | At concentrations recommended for cleaning purposes, no significant effects occur |

| 4. First Aid Measures | |
|------------------------------|---|
| Action to be avoided | None |
| Inhalation | None required |
| Skin contact | None required |
| Eye contact | Keep eyes open and flush with clean water for at least 15 minutes |
| Ingestion | Wash out mouth with water and give 200-300ml of water to drink. Do not induce vomiting. |
| Note to physician | Treat symptomatically as for general detergent |

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| 5. Fire fighting measures | |
|-----------------------------------|---------------------------|
| Extinguishing media | Non flammable end product |
| Inappropriate extinguishing media | Not applicable |
| Specific hazards | None |
| Special equipment for protection | Not applicable |

| 6. Accidental release measures | |
|---|-------------------------------------|
| Personal precautions | Avoid eye contact and do not ingest |
| Environmental precautions | None |
| Methods for cleaning up recovery | Flush with water |
| Neutralisation and disposal of spillage | No neutralisation required |

| 7. Handling and storage | |
|---|---|
| Observe the usual precautionary measures for handling and storing chemicals | |
| Handling | Do not ingest, avoid eye contact Ensure container is properly closed and not leaking |
| Storage | Keep container tightly closed in a dry secure area. Store away from acids, food stuff and out of reach of children. Check containers regularly for leakage and possible distension. Material must be stored in accordance with local rules and legislation |

| 8. Exposure controls/ Personal protection | |
|--|--|
| <u>Control Parameters</u> | |
| Limit values | To be monitored at the work place |
| Biological standards | Refer to UN and R-Phrase numbers |
| Monitoring procedures | Keep container closed when not in use |
| Personal protective equipment | Refer to the S-Phrase data |
| Protective clothing | In abnormal conditions use protective eyewear |
| Personal hygiene measures | Wash contaminated clothing before storage and re-use |

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| 9. Physical and chemical properties | |
|--|------------------|
| Form | Gel |
| Colour | Clear or yellow |
| Odour | Pine |
| PH Value | 7 (as received) |
| Boiling point/ boiling range °C | Not applicable |
| Flash point | Not applicable |
| Vapour pressure | Not applicable |
| Vapour density | Not applicable |
| Density | Not applicable |
| Solubility | Soluble in water |
| Viscosity at 20°C | 50000mPa.s. |
| Specific gravity at 20°C | 1.040 (+/- 0.02) |

| 10. Stability and reactivity | |
|--|---|
| Stability and possible hazardous reactions | Product is stable |
| Conditions/ materials to avoid | None |
| Hazardous decomposition | No decomposition if used and stored in accordance with provisions for use |

| 11. Toxicological information | |
|--|----------------------------------|
| LD 50test on animals available on certain raw materials in product | |
| Acute Toxicity | None known |
| Local effects | None known |
| Sensitisation | Can cause irritation of the eyes |
| Chronic toxicity | None known |
| Long term toxicity | None known |

| 12. Ecological information | |
|-----------------------------------|--------------------|
| Possible environmental effects | No adverse effects |
| Behaviour and fate | Soluble in water |
| Persistence/ Biodegradability | Biodegradable |

| 13. Disposal considerations | |
|------------------------------------|--|
| Disposal of chemical product | According to the local rules and legislation |
| Disposal of contaminated packaging | Recommended cleaning agent - water |

| 14. Transport regulations | |
|----------------------------------|--|
| Packaging group | Not classified to any mode of transport |
| Classification | Non hazardous and non-flammable in concentrations present in end product |

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| 15. Regulatory information | |
|--|--|
| National legislation | Refer to the below Risk and Safety phrase Data |
| Hazard and safety information | Take usual good care |
| EEC hazard classification Risk phrases | R36 – Irritating to the eyes |
| EEC hazard classification Safety phrases | S7 – Keep container tightly closed |
| | S13 – Keep away from food, drink and animal feeding stuff |
| | S18 – Open and handle container with care |
| | S25 – Avoid contact with eyes |
| | S26 – In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice |

| 16. Additional information (e.g. special training or restrictions on the products use) |
|---|
| Refer to product data sheet |
| This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties. |