MATERIAL SAFETY DATA SHEET

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| 1. CHEMICAL PRODUCT IDENTIFICATION | | |
| Product Name | NIKKOL SARCOSINATE LN-30 | |
| Common Chemical Name | SODIUM N-LAUROYL SARCOSINATE AQUA SOLN. | |
| Product Code (Supplier) | NIKKO CHEMICALS CO., LTD. | |
| INCI Name | SODIUM LAUROYL SARCOSINATE | |
| CAS Number | 137-16-6 | |
| EINECS Number | 205-281-5 | |
| 2. COMPOSITION/INFORMATION ON INGREDIENTS | | |
| Substance/Preparation: | Substance | |
| Information on hazardous ingred | ients | |
| Chemical Name % | EINECS No. CAS Number | |
| 3. HAZARD IDENTIFICATIO | N | |
| Human Health Hazards: | Not expected if handled and used properly. | |
| 4. FIRST AID MEASURES | | |
| Effects and Symptoms: | | |
| Ingestion | No adverse effects known. | |
| Inhalation | No adverse effects known. | |
| Skin Contact | No known effects. | |
| Eye Contact | No known effects. | |
| First Aid Measures: | | |
| Ingestion: | Wash inside the mouth and let victim drink 1 to 2 cups of | |
| | water and milk, unless unconscious. Call a doctor at once. | |
| Inhalation: | Supply person with fresh air. If symptoms persist, call a | |
| | doctor. | |
| Skin contact: | Wash away with lots of water and soap. Ask for medical | |
| | advice if skin is irritated. | |
| Eye contact: | Rinse thoroughly with a lot of water for some minutes. | |
| | Call a doctor if necessary. | |
| 5. FIRE FIGHTING MEASUR | ES | |
| Extinguishing Media | | |
| Suitable: | Dry chemical. Carbon dioxide. Foam. Sand. | |
| Special Firefighting Procedures: | In case of insufficient ventilation, wear suitable | |
| | | |

respiratory equipment.

Hazardous Thermal (de)composition Products: None

| Protection of Firefighters: | According to size of fire. | |
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| 6.ACCIDENTAL RELEASE MEASURES | | |
| Personal Precautions: | Avoid contact with skin and eyes. | |
| Environmental Precautions: | Do not empty into drains. | |
| Methods of cleaning up | Take up mechanically. | |

| 7. HANDLING AND STORAGE | |
|-----------------------------------|--|
| Handling: | Avoid contact with skin and eyes. Wash exposed body |
| | parts thoroughly and gargle after handling. |
| Storage: | Keep away from direct sunlight. Keep container tightly |
| | closed. |
| 8. EXPOSURE CONTROL/PER | SONAL PROTECTION |
| Respiratory System Protection: | No special respirator needed. |
| Skin and Body Protection: | Wear suitable protective clothing and gloves. |
| Hand Protection: | Wear suitable gloves. |
| Eye Protection: | Eye goggles, with side shields. |
| 9. PHYSICAL AND CHEMICAI | PROPERTIES |
| Physical State: | Liquid. |
| Color: | Pale yellow. |
| Odor: | Faint characteristic odor. |
| pH: | 7 - 9 |
| Solubility: | |
| Water | Soluble. |
| 10. STABILITY AND REACTIV | ITY |
| Conditions to avoid: | The data available do not support any physical or |
| | chemical hazard. |
| Materials to avoid: | Not reactive. |
| Hazardous Decomposition Products: | None. |
| 11. TOXICOLOGICAL INFORM | AATION |
| Skin Irritation: | No data. |
| Eye Irritation: | No data. |
| Sensitization: | No data. |
| 12. ECOLOGICAL INFORMAT | ION |
| | No data. |
| 13. DISPOSAL CONSIDERATIO | DNS |
| Method of Disposal: | Take notice of national special regulations. |
| 14. TRANSPORT INFORMATION | DN |
| Land - Road/Railway | This product is not classified according to ADR/RID |
| Inland Watrways | This product is not classified according to ADNR |
| Sea | This product is not classified according to IMDG |
| Air | This product is not classified according to IATA |
| National Transport Regulations | No additional national transport regulations are |
| | known to the supplier. |
| 15. REGULATORY INFORMAT | |
| Label Name: | NIKKOL SARCOSINATE LN-30 |
| 16. OTHER INFORMATION | |
| History | |
| | Lamore 21 2002 |

Revised from issue:

January 21, 2003

The statements made here are supposed to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics and are made to the best of our current knowledge.