

Emergency Response Information

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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| Trade name | LIAL® 111A Alcohol | |
| Synonyms | Monobranched and linear alcohol | |
| Manufacturer/Supplier | Sasol Chemicals (USA) LLC | |
| Address | 12120 Wickchester Lane Houston TX 77079 | |
| Telephone | CHEMTREC North America Transportation Emergency (24-hr) | (800) 424-9300 |
| | CHEMTREC World Wide | (703) 527-3887 |
| | Other Emergencies (24-hr) | (337) 494-5142 |

SECTION 2. SHIPPING DESCRIPTION

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| DOT | UN 3082, Environmentally hazardous substance, liquid, n.o.s.(Undecanol, branched and linear),9, III, Marine pollutant This product is regulated as a hazardous material according to the Department of Transportation only in bulk quantities (greater than 119 gallons per package). |
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SECTION 3. POTENTIAL HAZARDS

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| Appearance | colourless liquid | Odour | characteristic |
| GHS Classification | Eye irritation, Category 2A; Acute aquatic toxicity, Category 1; Chronic aquatic toxicity, Category 2; | | |
| Signal word | Warning | | |
| Hazard statements | Causes serious eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. | | |
| Precautionary statements | Wash skin thoroughly after handling. Wear eye protection/ face protection. Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. Collect spillage. Dispose of contents/ container to an approved waste disposal plant. | | |

SECTION 4. FIRST AID MEASURES

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| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| Skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use. |
| Inhalation | Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately. |
| Ingestion | If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |

SECTION 5. FIRE AND EXPLOSION HAZARDS

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| Flash point | approximately 126.5 °C, 260 °F; |
| Auto-ignition temperature | approximately 249 °C, 480 °F; |
| Fire and explosion | NFPA Class IIIB combustible liquid. |
| Extinguishing media | Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO2) |
| Fire fighting instructions | Wear self-contained breathing apparatus and protective suit. Keep containers and surroundings cool with water spray. |

SECTION 6. SPILL AND RECOVERY MEASURES

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| Steps to be taken in case of spill or leak | Evacuate personnel to safe areas. Remove all sources of ignition. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not flush into surface water or sanitary sewer system. |
| Spill precautions | Material can create slippery conditions. |

THIS INFORMATION IS PROVIDED TO COMPLY WITH THE REQUIREMENTS OF 49 CFR 172.602. FOR ADDITIONAL PRODUCT INFORMATION, PLEASE REFER TO THE MATERIAL SAFETY DATA SHEET (MSDS).
