

Title: Safety Data Sheet of ARIAMID



ARIA SHIMI RAYKA

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| Dept.: Laboratory | Doc. Code: ASR-HS-SP-003-WI-F003 | Issue / Revising Date:2022.07.21 |
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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| Product name: | COCONUT DI ETHANOL AMID |
| Product description: | COCONUT DI ETHANOL AMID 82% |
| Manufacturer: | Aria Shimi Rayka Co. Unit 3, No.18 , 17 th Alley , Bokharest St. Argentina Sq. Tehran , IRAN |
| catalog code : | ARIAMID-SDS3 |
| Telephone: | (+98-21)433 87 |
| fax number : | (+98) 21 88100000 |

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical and Common Name | CAS Registry Number | Wt. % |
|---------------------------|---------------------|-------|
| Fatty acid diethanolamide | 68603-42-9 | >80 |
| Diethanolamine | 111-42-2 | <5 |
| Glycerin | 56-81-5 | <10 |

3. HAZARDS IDENTIFICATION

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| Emergency Overview: | Clear, colorless, odorless, thick liquid. Causes severe irritation to eyes. Causes moderate skin irritation. Spray mist causes irritation to respiratory tract. Due to high pH of product, release into surface water is harmful to aquatic life. |
| Eye contact: | Causes severe irritation to the eyes. |
| Skin contact: | Causes moderate irritation to the skin. |
| Inhalation: | Spray mis irritating to respiratory tract. |
| Ingestion: | May cause irritation to mouth, esophagus, and stomach. |
| Chronic hazards: | No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen |
| Physical hazards: | Not classified. |

4. FIRST AID MEASURES

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| Eye: | If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek medical attention |
| Skin: | If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention |
| Inhalation: | Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. |
| Ingestion: | If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment |
| Most important symptoms/effects, acute and delayed | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. FIRE FIGHTING MEASURES

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| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire |

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| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials |
| General fire hazards | No unusual fire or explosion hazards noted. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. |
| Methods and materials for containment and cleaning up | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. |
| Environmental precautions | Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. |

7. HANDLING AND STORAGE

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| Precautions for safe handling | Do not get this material in contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. Before eating, drinking or smoking, remove contaminated clothing and wash hands |
| Conditions for safe storage, including any incompatibilities | Store in original tightly closed container. Do not store near strong oxidants. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Biological limit values | No biological exposure limits noted for the ingredient(s) |
| Appropriate engineering controls | Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use. |
| Individual protection measures, such as personal protective equipment Eye/face protection | Wear safety glasses with side shields (or goggles) and a face shield. |
| Skin protection Hand protection | Wear protective gloves. |
| Other | Wear appropriate chemical resistant clothing. |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

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9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Clear |
| Physical state | Liquid |
| Odor: | Ammoniacal |
| pH: | 9-11 (1% in water) |
| Melting point/freezing point | 10-15 ⁰ C |
| Initial boiling point and boiling range | >260 °C |
| Viscosity | 1170 cP @ 25 ⁰ C |
| Pour point | 37.4 °F (3 °C) |

10. STABILITY AND REACTIVITY

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| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport |
| Chemical stability | Material is stable under normal conditions.. |
| Possibility of hazardous. reactions | No dangerous reaction known under conditions of normal use |
| Conditions to avoid | Avoid temperatures exceeding the flash point. Contact with incompatible materials |
| Incompatible materials | Strong oxidizing agents. Strong acids. Peroxides. Phenols |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. TOXICOLOGICAL INFORMATION

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| Information on likely routes of exposure Inhalatio | Prolonged inhalation may be harmful. |
| Skin contact | Causes skin irritation. |
| Eye contact | Causes serious eye damage. |
| Ingestion | Expected to be a low ingestion hazard. |
| Symptoms related to the physical, chemical and toxicological characteristics | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. |
| Dermal LD50 | > 2 g/kg |
| Oral LD50 | > 5 g/kg |

12. ECOLOGICAL INFORMATION

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| Ecotoxicity | Miscible with water.Toxic to aquatic life. Harmful to aquatic life with long lasting effects. |
| Persistence and degradability | Readily biodegradable. |
| Bioaccumulative potential | No data available |
| Mobility in soil | It is toxic to the soil due to the presence of DEA |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

13. DISPOSAL CONSIDERATIONS

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| Disposal instructions | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |

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| Waste from residues / unused product | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

14. TRANSPORT INFORMATION

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| DOT | Not regulated as dangerous goods. |
| IATA | Not regulated as dangerous goods. |
| IMDG | Not regulated as dangerous goods. |
| Transport in bulk according. Annex II of MARPOL 73/78 and the IBC Code | Not available. |

15. REGULATORY INFORMATION

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| US federal regulations | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
| TSCA Section 12(b) Export Notification (40 CFR 707, Sub pt. D) | Not regulated. |
| CERCLA Hazardous Substance List (40 CFR 302.4) | Not regulated. |
| SARA 304 Emergency release notification | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) | Not regulated. |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | Not regulated. |
| SARA 311/312 Hazardous | NO |
| SARA 313 (TRI reporting) | Not regulated. |
| Clean Water Act (CWA) | Not regulated. |

16. OTHER INFORMATION

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO ARIA SHOIMI RAYKA Co THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. ARIA SHOIMI RAYKA MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OR THE PRODUCT TO WHICH IT RELATES, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OR HANDLING OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.