



Material Safety Data Sheet

| HCS Risk Phrases | |
|----------------------------------------------|--|
| Not controlled under the HCS (United States) | |

| Section 1. Chemical Product and Company Identification | | | |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Common Name/ Trade Name | Admex[®] 409 | In Case of Emergency | In the continental U.S.A. call CHEMTREC 800-424-9300 (24 hours) Outside the continental U.S.A. call CHEMTREC 703-527-3887 (24 hours) |
| Supplier | Genovique Specialties™ Corporation 10400 W. Higgins Road Rosemont, IL 60018 U.S.A. Phone: 847-298-9000 Fax: 847-298-9015 | Manufacturer | Genovique Specialties™ Corporation 10400 W. Higgins Road Rosemont, IL 60018 U.S.A. Phone: 847-298-9000 Fax: 847-298-9015 |
| Synonym | Not available | Material Uses | Industrial applications: Polymeric plasticizer used in PVC and rubber formulations. |
| Chemical Name | Fatty acid capped glycol adipate. | | |
| Chemical Family | Not available | | |
| Chemical Formula | Varies | | |

| Section 2. Hazards Identification | |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency Overview | Pale yellow color. Liquid. Mild odor. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. |
| OSHA Regulatory Status | Not regulated. |
| Potential Health Effects | Inhalation and skin contact are expected to be the primary routes of occupational exposure to Admex [®] 409. There has been limited data generated regarding the health effects of Admex [®] 409. However, this material is not expected to cause significant adverse human health effects when good industrial hygiene and safety practices are followed. |
| Potential Environmental Effects | See Section 12 |

| Section 3. Composition and Information on Ingredients | | |
|-------------------------------------------------------|-------------|-------------|
| Chemical Name | CAS# | % by Weight |
| 1. Fatty acid capped glycol adipate | Proprietary | 100 |

| Section 4. First Aid Measures | |
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| Eye Contact | Flush with plenty of water. Seek medical attention if irritation persists. |
| Skin Contact | Flush the area with plenty of water. Remove material from clothing. Wash clothing before reuse. |
| Inhalation | Remove to fresh air. If breathing is difficult, get medical attention. |
| Ingestion | If swallowed, induce vomiting as directed by medical personnel. Get medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. |
| Note to Physician | No additional remark. |

| Section 5. Fire and Explosion Data | |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammability Properties | Combustible |
| Suitable Extinguishing Media | SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam LARGE FIRE: Use water spray, fog or foam. |
| Unsuitable Extinguishing Media | DO NOT use water jet. |
| Specific Hazards Arising From Chemical | Not considered to be flammable. Not considered to present risks of explosion. |
| Protective Equipment and Precautions for Firefighters | Firefighters and others who may be exposed to products of combustion should wear full firefighting turnout gear and self-contained breathing apparatus. Firefighting equipment should be thoroughly decontaminated after use. |

| Section 6. Accidental Release Measures | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions | Use the personal protective equipment recommended in Section 8 and handle the product in accordance with good industrial hygiene and safety practices at all times. |
| Environmental Precautions | Not available |
| Methods for Containment | Absorb with an inert material and place in an appropriate waste disposal container. Stop the leak, if possible. Remove all ignition sources. Ventilate the area involved. |
| Methods for Clean-Up | Stop the leak, if possible. Remove all ignition sources. Ventilate the area involved. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. |



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Section 7. Handling and Storage

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| Handling | Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing. Keep away from sources of ignition. |
| Storage | Store in a well ventilated area away from sources of ignition. |

Section 8. Exposure Controls/Personal Protection

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| Exposure Guidelines | Not available |
| Engineering Controls | Investigate engineering techniques to reduce exposures. Provide ventilation if necessary to minimize exposure. If practical use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. |
| Personal Protective Equipment | Safety glasses or chemical splash goggles, coveralls, boots, and gloves. Suggested protective equipment might not be sufficient; consult a specialist BEFORE handling this product. |

Section 9. Physical and Chemical Properties

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|---------------------------|------------------------------|
| Physical State | Liquid |
| Color | Pale yellow color |
| Odor | Mild odor |
| Odor Threshold | Not available |
| pH | Not available |
| Melting/Freezing Point | 3 °C (37.4 °F) |
| Boiling Point | Not available |
| Flash Point | CLOSED CUP: >230 °C (464 °F) |
| Evaporation Rate | < 1 |
| Flammability | Combustible |
| Flammable Limits | Not available |
| Vapor Pressure | < 0.1 mm of Hg (@ 20 °C) |
| Vapor Density | Not available |
| Specific Gravity | 1.082 (Water = 1.0) |
| Solubility | Insoluble in cold water |
| Partition Coefficient | Not available |
| Auto-Ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | 3465 cP |
| Molecular Weight | 1700 - 2200 |

Section 10. Stability and Reactivity Data

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|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical Stability | The product is stable |
| Conditions to Avoid | No additional remark |
| Incompatible Materials | Incompatible with strong oxidizers such as hydrogen peroxide, bromine and chromic acid. Admex [®] 409 may hydrolyze slowly in the presence of acids, alkalis, water or water vapor. Reacts with water to form glycols. This reaction may tend to degrade the product but poses no physical hazard. |
| Possibility of Hazardous Reactions | Not available |
| Hazardous Decomposition Products | Not available |

Section 11. Toxicological Information

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| Toxicity to Animals | LD50: Not available |
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Section 12. Ecological Information

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| Ecotoxicology | Not available |
| Chemical Fate | Not available |

Section 13. Disposal Considerations

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| Waste Disposal | Recycle, if possible. Consult your local or regional authorities for disposal options. |
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| Section 14. Transport Information | |
|------------------------------------------|-----------------------------------------------|
| DOT Proper Shipping Name | Not regulated |
| DOT Hazard Class | Not a DOT controlled material (United States) |
| UN Identification Number | Not applicable |
| Packing Group | Not applicable |
| Additional Information | HTS#: 2917.12 |

| Section 15. Regulatory Information | | | | | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------|-----------------|---|
| Global Inventories | All chemical substances in this material are included on or exempted from listing on the following inventories: Australia (AICS), Canada (DSL), Europe (EINECS), Korea (KECI), & United States (TSCA) | | | | |
| Other Classifications | Not controlled under WHMIS (Canada) | | | | |
| HMIS (U.S.A.) | Health Hazard | 1 | National | Health | 1 |
| | Fire Hazard | 1 | Fire Protection | Fire Hazard | 1 |
| | Reactivity | 0 | Association (U.S.A.) | Reactivity | 0 |
| | Personal Protection | | | Specific Hazard | |

| Section 16. Other Information | |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other Special Considerations | Not available |
| Prepared By | Christopher Charniak |
| Revision | New MSDS for Genovique Specialties™ Corporation |
| Notice to Reader | <i>To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</i> |