

MATERIAL SAFETY DATA SHEET



Manufacturer

PROCESS CHEMICALS, LLC
ARR-MAZ PRODUCTS, LP Division
621 Snively Avenue
Winter Haven, FL 33880

Emergency Phone Number
863-293-7884

PRODUCT INFORMATION

Trade Name: AD-here® LOF 65-00

Chemical Family: Amines

Composition: Modified Fatty Amidoamine

HMIS RATING:

Health Hazard	2	Moderate
Flammability Hazard	1	Slight
Reactivity Hazard	0	Minimal

D.O.T. Shipping Classification: Not regulated

PHYSICAL DATA

Boiling Point (EF): > 500EF

Solubility in Water: Slight

Vapor Pressure (mmHg at 25EC): < 1

Vapor Density (Air = 1): > 1

Appearance: Dark brown liquid

Odor: Mild

Specific Gravity (at 77EF): 0.96 - 0.98

FIRE EXPLOSION

Flash Point PM Closed Cup EF: >300 EF

Extinguishing Media: CO₂, foam, or dry chemical

Special Fire Fighting Procedures: Wear NIOSH/MSHA approved self-contained breathing equipment and protective clothing.

HEALTH HAZARD INFORMATION

EYE

- Effect:** Causes severe irritation or burns, may cause blindness.
- First Aid:** Immediately flush with plenty of water for at least 15 minutes. Contact a physician immediately.
- Protection:** Chemical resistant splash proof goggles or a full face shield.

SKIN

- Effect:** Local irritation or sensitivity can develop from repeated contact.
- First Aid:** Immediately flush with water for 15 minutes followed by soap and water. If a rash develops contact a physician.
- Protection:** Exercise normal safety practices. Remove contaminated clothing immediately, wash before reuse.

INHALATION

- Effect:** Irritation of the respiratory system may occur.
- First Aid:** Remove to fresh air. If breathing is difficult give oxygen and contact a physician. If not breathing, give mouth to mouth artificial respiration. Immediately call a physician.
- Protection:** Use where local exhaust or other adequate ventilation is present.

INGESTION

- Effect:** Harmful when swallowed. May cause burns to the digestive system.
- First Aid:** Contact a physician or a poison control center immediately.

REACTIVITY DATA

- Stability:** Stable
- Hazardous Polymerization:** Will not occur.
- Incompatibilities:** Strong oxidizers and materials that will react with amine compounds.
- Hazardous Decomposition Products:** CO, CO₂, NO_x, and other thermal decomposition by-products.

SPILL, LEAK, AND DISPOSAL PROCEDURES

Spills and Leaks: Isolate, then absorb with earth, vermiculite, or other inert absorbent material. Collect in drums or other containers.

Waste Disposal: Incinerate or bury in certified landfill according to federal, state and local regulations.

SPECIAL PROTECTION INFORMATION

Respiratory Protection: No respiratory protection is normally required. Use a NIOSH/MSHA approved organic vapor-mist respirator in instances of heavy mist or vapors.

Protective Gloves: Impervious rubber or plastic.

Eye Protection: Chemical resistant splash proof goggles or a full face shield.

Other Protective Equipment: Eye wash and safety shower should be easily accessible.

STORAGE AND SPECIAL PRECAUTIONS

Storage Precautions: Avoid storage temperatures near or above flash point. Use standard handling and safety practices.

Other Precautions: Avoid frequent or prolonged skin contact.

DISCLAIMER OF EXPRESSED OR IMPLIED WARRANTY

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but can not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.



Certification for AD-here® HP Plus and AD-here® LOF 65-00 LS

Re: Sem Materials, Tulsa, OK

This is to certify that all of the components of the above listed products are listed on the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

ARR MAZ Custom Chemicals, Inc.

A handwritten signature in cursive script that reads "Stacy Spence". The signature is written in black ink and is positioned above the typed name and title.

Stacy Spence
Research & Technical Services Manager,
~~Asphalt Additives~~

SKS

November 14, 2006