

**ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET**

DAT F-6 (n)

MSDS No. AE061

Date of Preparation: **August 11, 2008**

Revision No. 0

Section 1 – Chemical Product and Company Information

Product/Chemical Name:	DAT F-6 (n)
Chemical Formula:	Mixture
CAS Number:	Mixture
Other Designations:	
General Use:	Asphalt Paving Additive
Manufacturer:	ERGON Asphalt & Emulsions, Inc.; P O Box 1639; Jackson MS 39215-1639; Phone 601-933-3000; Hours of Operation 8:00 am – 5:00 pm; ERGON 24 Hour Emergency Phone Number 1-800-222-7122; CHEMTREC 1-800-424-9300.

Section 2 – Composition / Information on Ingredients

Ingredient Name	CAS Number	% Vol
Fatty Amine derivatives	proprietary	5-20
Water	7732-18-5	80-95

INGREDIENT	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Fatty Amine derivatives	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Water	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.

Section 3 – Hazards Information

EMERGENCY OVERVIEW

HMIS
H-1
F-0
R-0
PPE*
* Sec.8

POTENTIAL HEALTH EFFECTS

Primary Entry Routes: Eye contact, inhalation, and ingestion.

Target Organs: Eyes, skin, and respiratory tract.

Acute Effects

Inhalation: No known significant effects.

Eye: Moderately irritating to eyes.

Skin: No known significant effects.

Ingestion: No known significant effects.

Carcinogenicity: IARC, NTP, and OSHA do not list this product as carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

Chronic Effects: Repeated or prolonged exposure to the substance can produce target organ damage.

Section 4 – First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention if needed.

Ingestion: Do not induce vomiting and seek medical help.

After first aid, get appropriate in-plant paramedic or community medical support.

Special Precautions/Procedures:

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

DAT F-6 (n)

MSDS No. AE061

Date of Preparation: **August 11, 2008**

Revision No. 0

Note to Physician:

Perform endoscopy in all cases of suspected sodium hydroxide ingestion. In cases of severe esophageal corrosion, the use of therapeutic doses of steroids should be considered. General supportive measures with continual monitoring of gas exchange, acid-base balance, electrolytes, and fluid intake are also required.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable

Flash Point Method: Not Applicable

Auto Ignition Temperature: Not Applicable

LEL: Not Applicable

UEL: Not Applicable

Flammability Classification: Not Applicable

Extinguishing Media: Use extinguishing media suitable for the surrounding fire.

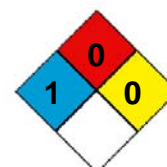
Unusual Fire or Explosion Hazards: None.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, nitrogen oxides and sulfur dioxide.

Fire-Fighting Instructions: None

Fire-Fighting Equipment: Use self-contained breathing apparatus in enclosed areas where heavy smoke may occur.

NFPA



Section 6 – Accidental Release Matters

Spill/Leak Procedures: Stop spill at source. Confine spill by diking or impoundment. Clean-up spill but avoid flushing to sewer or surface water.

Small Spills: Stop spill at source if possible. Add absorbent or soil and place in sealable liquid-proof container for disposal.

Large Spills:

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Mix with inert absorbent material such as soil, sand, or vermiculite to stabilize and place in container for disposal according to local regulations.

Regulatory Requirements: Notify local health and pollution control agencies as appropriate. Follow applicable OSHA regulations (29 CFR 1900.120). This material is not a hazardous waste as defined in RCRA. For disposal follow all federal, state, and local regulations.

Section 7 – Handling and Storage

Handling Precautions: Avoid contact with skin and eyes. Wash thoroughly after handling.

Storage Requirements: Store in closed container in a cool, well-ventilated area.

Regulatory Requirements: None known.

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

DAT F-6 (n)

MSDS No. AE061

Date of Preparation: **August 11, 2008**

Revision No. 0

Section 8 – Exposure Controls / Personal Protection

Engineering Controls: Not applicable.

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. If respirators are used, OSHA requires a written respiratory protection program that includes: procedures for selecting respirators; medical evaluation; fit testing; use in routine and emergency situations; cleaning, disinfecting, storing, inspecting, repairing, discarding and maintaining respirators; adequate air quality, quantity and flow; training in respiratory hazards; training in use of respirators; evaluation of effectiveness of respiratory program.

Protective Clothing/Equipment: Wear protective gloves, boots, aprons, and gauntlets as needed to prevent prolonged or repeated skin contact. Goggles and face shields should be used in areas where splashing may occur. Wear protective eyeglasses or safety goggles per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, or smoking.

Section 9 – Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Amber liquid with a bland odor

Odor Threshold:

Vapor Pressure: <1 mm Hg at 70°F (20°C)

Vapor Density (Air = 1): >1

Formula Weight: No data

Density: 8.4-8.8

Specific Gravity (H₂O = 1, at 4EC): 1.023

pH: 6.0-9.0

Water Solubility: Slightly soluble.

Other Solubilities: No data.

Boiling Point: >212°F (100°C)

Freezing/Melting Point: No data.

Viscosity: No data.

Refractive Index: No data.

Surface Tension: No data.

% Volatile: 0%

Evaporation Rate: <1

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Aluminum, copper, tin, zinc, and their alloys.

Conditions to Avoid: Do not overheat product.

Hazardous Decomposition Products: Non known.

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

DAT F-6 (n)

Date of Preparation: **August 11, 2008**

MSDS No. AE061

Revision No. 0

Section 11 – Toxicological Information

Eye Effects: Causes irritation of eyes.	Skin Effects: Causes irritation of skin.
Acute Inhalation Effects: No data.	Acute Oral Effects: rabbit LDLO: 500mg/kg.
Carcinogenicity: Not a known human carcinogen.	Tests on laboratory animals indicate material may produce adverse mutagenic effects
Teratogenicity: No data.	Mutagenicity: No data.
Chronic Effects: Prolonged contact with dilute sodium hydroxide solutions or dust has a destructive effect upon tissue.	

Section 12 – Ecological Information

Ecotoxicity: No data.
Environmental Fate:
 Environmental Transport: No data.
 Environmental Degradation: No data.
 Soil Absorption/Mobility: No data.

Section 13 – Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.
Disposal Regulatory Requirements: Waste material should not be a hazardous waste under RCRA guidelines. Follow Federal, state, and local regulations for disposal of solid waste.
Container Cleaning and Disposal: Follow Federal, state, and local regulations for disposal of the waste material and containers, regardless of waste classification.

Section 14 – Transport Information

Shipping Name: Not regulated	Packaging Authorizations:	Quantity Limitations:
Shipping Symbols: NA	a) Exceptions: NA	a) Passenger, Aircraft, or Railcar: NA
Hazard Class: NA	b) Non-bulk Packaging: NA	b) Cargo Aircraft Only: NA
	c) Bulk Packaging: NA	
ID No.: NA		Vessel Stowage Requirements:
Packing Group: NA		a) Vessel Stowage: NA
Label: NA		b) Other: NA
Special Provisions (172.102): NA		

Section 15 – Regulatory Information

EPA Regulations:
RCRA
 RCRA Hazardous Waste Number: Not listed.
 RCRA Hazardous Waste Classification (40 CFR 261): Non-hazardous.
CERCLA
 CERCLA: Not listed.
 CERCLA Reportable Quantity (RQ):
SARA
 Sodium hydroxide listed as hazardous chemical.
 SARA 311/312 Codes: Fatty amine derivatives and sodium hydroxide listed as immediate (acute) health hazard.
 SARA Toxic Chemical: Not listed.
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.
OSHA Regulations:
 OSHA Specifically Regulated Substance: No
State Regulations: Sodium hydroxide listed in PA, MA, and NJ hazardous substance (RTK) lists.

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

DAT F-6 (n)

Date of Preparation: August 11, 2008

MSDS No. AE061

Revision No. 0

Section 16 – Other Information

Prepared By: Mary E. Snow

Revision Notes:

Additional Hazard Rating Systems: NAS Hazard Rating for Bulk Water Transportation of asphalt:
Fire – 1, Health – 0, Water Pollution – 0, Reactivity -0.

Disclaimer: ERGON ASPHALT & EMULSIONS, INC. (EAE) PROVIDES THIS INFORMATION FOR THE USER'S CONSIDERATION. EAE BELIEVES THIS INFORMATION IS ACCURATE, BUT NOT ALL INCLUSIVE IN ALL CIRCUMSTANCES. USER SHOULD ENSURE THAT USER HAS CURENT DATA RELEVANT FOR ITS PURPOSES. NO WARRANTY, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY, FITNESS OR OTHERWISE IS GIVEN.