

# FOSSILFUEL

## MSDS

Product name: Europonic FossilFuel  
Manufacturer: HydroDynamics International

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### Product Identification

Common Name: Humic Acids-K salts (modified lignite)  
Chemical Formula: Amorphous Polymer  
Synonym: (See above)  
Chemical Family: Wood Chemicals  
Shipping Name: Lignin Pitch - Class 55  
CAS Numbers: 68514-28-3  
Hazard Class - DOT: Not restricted      UN Number: Excluded  
Hazard Class - IATA: Not restricted      Physical state: Liquid

HMIS Rating (0 - 4)      Health = 1      Fire = 1      Reactivity = 0      Special = 0

Warning:      Nuisance dust - As with all dusts, avoid high concentrations

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### Hazardous Ingredients

<u>Principle Hazardous Components</u>	<u>Percent</u>	<u>Threshold Limit value (units)</u>
None known		

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### Physical Data

Boiling Point:	104 C	Specific Gravity (25C)	1.15
Freezing Point:	-2 C	pH	9
Vapor Pressure (mm Hg)	14.2 @ 20 C	Bulk Density (g/ml):	N/A
Vapor Density (Air=1)	1.21 @ 20 C	Solubility in Water	100%
% Volatiles by Weight	80 (Water)	Evaporation rate	Normal 0.4 (water)
Appearance & Odor:	Brown Liquid with slight odor		
Water/Oil Dist. Coeff.:	100% in water		

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### Health Hazard Data

Threshold Limit Values:	OSHA PELV = Non Established
Carcinogen Listings - NTP / IARC	Not a carcinogen
Primary Route(s) if Entry:	Skin contact, eye contact, inhalation
Symptoms of Overexposure:	None known
Conditions Aggravated by Exposure:	None known
Irritancy to Material:	None known
Sensitization to Material:	None known

Teratogenicity: None known  
Mutagenicity: None known  
Reproductive Toxicity: None known  
Synergistic Substances: None known  
First Aid - Eyes: Irrigate with potable water  
Skin: Skin should be flushed with clean water  
Inhalation: Remove from dusty area  
Ingestion: Give water to dilute and seek medical attention

Note to physician: Very low toxicity

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#### Fire and Explosion Hazard Data

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Flash Point (Method Used): Not Applicable      Auto Ignition Temp: 400 C for dust  
Flammable Limits in Air, % By Volume: Lower / Upper Not Applicable  
Extinguishing Media: None  
Special Fire Fighting Procedures: None  
Special Fire Fighting Procedures: None

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#### Spill or Leak Procedures

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Spill Response: Mechanically collect and remove spilled material. Areas may be washed with water.  
Neutralizing Chemicals: None required.  
Waste Disposal Methods: Incinerate, bury, or flush to sewer following applicable regulations.

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#### Reactivity Data

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Stability: Stable  
Conditions to Avoid: Contact with strong oxidizing agents  
Incompatibility: None  
Materials to Avoid: None  
Hazardous Polymerization: Will not occur  
Conditions to avoid: None  
Hazardous Decomposition Products: Sulfur dioxide, carbon dioxide, and carbon monoxide

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#### Control Measures

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Ventilation Requirements: Adequate ventilation for comfort is recommended  
Respiratory Protection: Full respiratory protection program recommended  
Protective gloves: Gloves recommended for prolonged exposure  
Eye Protection: Goggles recommended for prolonged exposure  
Other Protective equipment: Clothing which contacts skin should be changed daily

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Special Precautions

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Repair/Maintenance of Contaminated Equipment:	None required
Hygiene in Handling and Storage:	Personal hygiene is encouraged

Other: Normal precautions common to good manufacturing practice should be followed.

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Additional Regulatory Concerns

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