



G E O
SPECIALTY CHEMICALS

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DAXAD® 19
SYNONYMS: Sulfonated Naphthalene Condensate, Sodium Salt

SUPPLIER: GEO Specialty Chemicals, Inc.
701 Wissahickon Avenue
Cedartown, GA 30125

NFPA Rating: Health: 1 Flammability: 2 Reactivity: 1
HMIS Classification: Health: 1 Flammability: 2 Reactivity: 1

EMERGENCY TELEPHONE: CHEMTREC: (800) 424-9300
Outside USA - 00 1 (703) 527-3887 collect calls accepted

EMERGENCY OVERVIEW:

Tan powder with bland odor. May cause skin, eye and respiratory tract irritation.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient / CAS No.	Weight %	OSHA - PEL's	ACGIH 2002 - TLV's
Naphthalenesulfonic acid, polymer, sodium salt 9084-06-4	78 to 98	None Established.	None Established.
Sodium sulfate 7757-82-6	5 to 12	None Established.	None Established.
Water 7732-18-5	2 to 10	None Established.	None Established.

3. HAZARDS IDENTIFICATION

Hazard Information:

Eye Contact: CAUTION! May cause eye, skin and respiratory tract irritation.
May cause transient eye irritation.
Inhalation: Dust may cause irritation of the respiratory tract.
Skin Contact: Possible mild transient skin irritation on prolonged contact.
Ingestion: Considered slightly toxic.
Aggravated Conditions: Existing skin, eye and lung conditions.

4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

Eye Contact: Remove contact lenses. Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek immediate medical attention.

Ingestion: Do not induce vomiting. If vomiting should occur spontaneously, keep the airway clear. Get medical attention. Never give anything by mouth to an unconscious person.

Notes To Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point (°F/°C) Not Determined

Flash Point Method: N/A

Autoignition Temp. (°F): Not Determined

Flammable Limits in Air - Lower (%): Not Determined

Flammable Limits in Air - Upper (%): Not Determined

Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.

Fire Fighting Procedures: Cool exposed containers with water spray after extinguishing fire.

Special Exposure Hazards: Use water spray to cool fire exposed surfaces.

Special Protective Equipment: Fire fighters should wear full protective clothing, including self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Procedure for Cleaning/Absorption: Clean up spill immediately. Soak up small spills with inert absorbent material and place in a labeled waste container for disposal. Spills of solutions are extremely slippery so all residue must be removed promptly. Provide adequate ventilation to spill area. Wear adequate personal protective clothing and equipment. Do not permit solutions of product into sewers or waterways.

7. HANDLING AND STORAGE

PRECAUTIONARY STATEMENTS:

Handling:

CAUTION!
MAY CAUSE SKIN, EYE, AND RESPIRATORY TRACT IRRITATION.
FOR INDUSTRIAL USE ONLY.

Avoid contact with eyes, skin and clothing.

Avoid generating or breathing dust.

Keep container tightly closed when not in use.

Material is hygroscopic

Wear chemical splash goggles, gloves, and protective clothing when handling.

Use only with adequate ventilation.

Use respiratory protection where dust may be generated.

Wash thoroughly after handling.

Store in a cool, dry place to prevent product from caking.

Storage:

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

Respiratory Protection: Use approved NIOSH respiratory protection if TLV exceeded or over exposure is likely. Follow manufacturer's recommendations.

Gloves: Appropriate chemical resistant gloves should be worn.

Skin Protection: Normal work coveralls.

Eye Protection: Chemical goggles or a face shield if splashing hazard exists.

Other Personal Protection Data: Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: POWDER

Color: TAN

Odor: BLAND

pH: 7-10.5 (1% in solution)

Specific Gravity: Not Determined

Density @ 20° C: Unknown

Boiling Point (°F/°C): Not Determined

Melting Point Range (°F/°C): Not Determined

Freezing Point/Range (°F/°C): Not Determined

Vapor Pressure: Not Determined

Vapor Density (Air=1): Not Determined

% Volatile by Volume: 10% max (moisture)

Evaporation Rate (BuAc=1): Not Applicable

Solubility in Water Description: MISCIBLE

VOCs (lbs/gallon): Not Applicable

Viscosity, Dynamic (Centipoise) @ 20° C: Not Applicable

Molecular Weight: Not Applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of handling, use and transportation.

Conditions to Avoid: None

Materials to Avoid: Contact with oxidizing agents.

Hazardous Decomposition Products: Carbon Monoxide and Carbon Dioxide. Oxides of sulfur.

Hazardous Polymerization: Not anticipated under normal or recommended handling and storage conditions.

Additional Guidelines: None.

11. TOXICOLOGICAL INFORMATION

PRINCIPAL ROUTES OF EXPOSURE: Skin, eyes and respiratory tract.

Ingestion: Considered slightly toxic.

Skin Contact: Possible mild transient skin irritation on prolonged contact.

Inhalation: Dust may cause irritation of the respiratory tract.

Eye Contact: May cause transient eye irritation.

Carcinogenicity Status:
(Chemical Name, Wt. %, CAS No.)

Naphthalenesulfonic Acid, Polymer, Sodium Salt 78 to 98 % **9084-06-4**
IARC Group 1, Group 2A or Group 2B Carcinogen: Not Listed
National Toxicology Program Known or Suspect Carcinogen: Not Listed
ACGIH Confirmed or Suspected Carcinogen: Not Listed
OSHA Select or Possible Select Carcinogen: Not Listed

Sodium Sulfate 5 to 12 % **7757-82-6**
IARC Group 1, Group 2A or Group 2B Carcinogen: Not Listed
National Toxicology Program Known or Suspect Carcinogen: Not Listed
ACGIH Confirmed or Suspected Carcinogen: Not Listed
OSHA Select or Possible Select Carcinogen: Not Listed

Water 2 to 10 % **7732-18-5**
IARC Group 1, Group 2A or Group 2B Carcinogen: Not Listed
National Toxicology Program Known or Suspect Carcinogen: Not Listed
ACGIH Confirmed or Suspected Carcinogen: Not Listed
OSHA Select or Possible Select Carcinogen: Not Listed

Acute Oral LD50 (mg/kg): 3250-4300 mg/kg (rat)
Acute Dermal LD50 (mg/kg): >16,000 mg/kg (rabbits)
Acute Inhalation LC50 (mg/l): Not Determined
Mutagenicity/Genotoxicity: No mutagenicity or genotoxicity studies have been carried out with this product.
Other Information: None

12. ECOLOGICAL INFORMATION

Mobility: Not Determined
Persistence: Biodegradation under aerobic static laboratory conditions is low (BOD20 or BOD28/ThOD between 2.5 and 10%), 28-Day biochemical oxygen demand (BOD28) is 9.7% of ThOD. Mean biodegradation reached in the Modified SCAS Test (OECD Test No. 302 A): 3.91%.
Not Determined

Bioaccumulative: This product is slightly toxic to aquatic organisms on an acute basis (LC50/EC50 between 10 and 100 mg/L in most sensitive species). Acute immobilization EC50 in water flea Daphnia magna is 71 mg/L. Acute LC50 in fathead minnow (Pimephales promelas) is 100 mg/L.
Ecotoxicological Information:
Ecotoxicity: None
Other Information: None

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:
Dispose of product in an approved chemical waste facility or incinerate in accordance with all Federal, State and local regulations. Since the emptied container retains product residue, all labeled hazard precautions must be observed. Do NOT put solutions containing this product into sewer systems.

RCRA

Is the unused product a RCRA hazardous waste if discarded? (Yes/No) **No**
If yes, the EPA Hazardous Waste Code is: **N/A**

14. TRANSPORTATION INFORMATION

DOT: DOT Status: NOT REGULATED FOR TRANSPORTATION.
Harmonized Tariff Number: 3911.90.90 10

ICAO/IATA: Status: NOT REGULATED FOR TRANSPORTATION.

IMDG: Status: NOT REGULATED FOR TRANSPORTATION.

Flash Point (°F/°C) Not Determined

15. REGULATORY INFORMATION

International Inventories:

USA TSCA Inventory Status: All of the components of this product are listed on the US EPA TSCA Inventory, or exempt from listing.

Canadian DSL: All of the components of this product are listed on the Canadian Domestic Substances List.

European - EINECS: All of the components of this product are listed on EINECS, or exempt from notification.

Japanese Chemical Inventory: All of the components of this product are listed on the JPENCS Inventory.

Philippines Chemical Inventory: All of the components of this product are found on the Philippines Inventory.

Australian Chemical Inventory: All of the components of this product are listed on the Australian Chemical Inventory.

Korean Chemical Inventory: All of the components of this product are found on the Korean Existing Chemical Substances List.

State and Federal Regulations: (Chemical Name, Wt. %, CAS No.)

Sodium Sulfate 5 to 12 % 7757-82-6

Pennsylvania Right to Know List:

Massachusetts Right to Know Law:

Listed

Listed

SARA Section 311/ 312 Hazard Class:

This product is classified as a SARA ACUTE HEALTH HAZARD.

Other Information:

This product does not contain any ingredients subject to the reporting requirements of SARA Title III, Section 313 (40 CFR Part 372).

16. OTHER INFORMATION

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Telephone Number: (267) 960-7943

Reference Number: 1948 P PRD

Revision Date: 08/16/2007

Additional Information: None.

Important Note: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF MSDS