

## SAFETY DATA SHEET

# Dispersant, DAXAD 23

Date of Preparation: 06/05/2014

SDS #: 004-16838-00MSDS

### SECTION 1: IDENTIFICATION

**Product Identification:** Dispersant, DAXAD 23

**CAS Number:** 8061-51-6

**Volumes:** 30 g

**Other Designations:** Not Applicable

**Recommended Use:** Dispersing agent.

**Restrictions:** For laboratory use only.

**Supplier Information:**

Micromeritics Instrument Corp.  
4356 Communications Drive  
Norcross, GA 30093-2901 USA

Contact: Human Resources  
Phone: (770) 662-3636  
Fax: (770) 662-3696

**Manufacturer:** Hampshire (Div. of Dow Chemical) 45 Hayden Avenue, Suite 2500, Lexington, Mass. 02421-7994 **Emergency:** Hampshire Emergency Center, Nashua, NH USA (603) 888-2320, CHEMTRECâ (800) 424-9300 (US, Canada, Puerto Rico, Virgin Islands) CHEMTRECâ (703) 527-3887 (for all other countries; collect calls accepted.)

### SECTION 2: HAZARDS IDENTIFICATION

**GHS Classification:** Not Applicable

**Signal word:** Not Applicable

**Hazard Statement:**

H228: Flammable solid

H303: May be harmful if swallowed

**Pictograms:**



**Precautionary Statements:**

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P262: Do not get in eyes, on skin, or on clothing

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt
Sodium lignosulfonate	8061-51-6	94.0
Water		6.00

### Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Nuisance	10	none	none	none	none	none	none
Particulates	mg/m <sup>3</sup>	estab.	estab.	estab.	estab.	estab.	estab.

## SECTION 4: FIRST-AID MEASURES

**Inhalation:** Any inhalation hazard is related only to general nuisance dusting. If a person inhales large amounts of dust, move person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Call a physician immediately.

**Eye Contact:** Flush immediately with large amounts of water for at least 15 minutes repeatedly holding eyelids open. Call a physician immediately.

**Skin Contact:** Flush with clean water.

**Ingestion:** Give the patient large amounts of water or milk to drink for dilution effect. Not necessary to induce vomiting. Contact a physician for advice.

## SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unusual Fire or Explosion Hazards:** Burning of solids may provide conditions for dust explosion.

**Hazardous Combustion Products:** Not Applicable

**Fire-Fighting Instructions:** None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Spill /Leak Procedures:

STEPS TO BE TAKEN TO HANDLE SPILLS OR RELEASES: Prevent liquid from entering drinking water supplies or streams. Collect and package for disposal according to local, state, and federal regulations.

### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

**Handling Precautions:** Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage Requirements:** Keep container tightly closed in a dry and well-ventilated place.

**Regulatory Requirements:** None

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**

**Ventilation:** Adequate for comfort. Refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

**Administrative Controls:**

**Respiratory Protection:** If use generates a dust, use a NIOSH approved dust mask. A full respiratory protection program is recommended. Refer to NIOSH/OSHA "Occupational Health Guidelines for Chemical Hazards" for additional details.

**Protective Clothing/Equipment:** Use protective gloves during prolonged exposure.

**Safety Stations:** N/A

**Eye Protection:** Safety glasses.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** Not Applicable

**Flash Point Method:** Not Applicable

**Autoignition Temperature:** Not Applicable

**Flammability Classification:**

LEL: 0.2 oz./F13 UEL: Unknown

**Physical State:** Solid

**Appearance and Odor:** Brown Powder

**Odor Threshold:** Slight odor

**Vapor Pressure:** Not Applicable

**Vapor Density (Air=1):** Not Applicable

**Formula Weight:** Not Applicable

**Bulk Density:** 30-40 lb./cu. Ft

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** N/A

**pH of 1% Solution:** Aprox. 8

**Water Solubility:** 100%

**Other Solubilities:** Not Applicable

**Boiling Point:** Not Applicable

**Freezing/Melting Point:** Not Applicable

**Viscosity:** Not Applicable

**Refractive Index:** Not Applicable

**Surface Tension:** Not Applicable

**% Volatile:** About 6% as water

**Evaporation Rate:** Not Applicable

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Not Applicable

**Polymerization:** Hazardous polymerization will not occur.

**Chemical Incompatibilities:** Avoid contact with strong oxidizing agents.

**Conditions to Avoid Uncontrolled Polymerization:** Not Applicable

**Hazardous Decomposition Products:** Burning may release sulfur dioxide, carbon monoxide or carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

LD50 Oral - mouse - 6,030 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Behavioral: Muscle weakness.

Behavioral: Coma.

Inhalation: Not Applicable

Dermal: Not Applicable

**Skin corrosion/irritation:** Not Applicable

**Serious eye damage/eye irritation:** Not Applicable

**Respiratory or skin sensitization:** Not Applicable

**Reproductive toxicity:** Not Applicable

**Specific target organ toxicity - single exposure:** Not Applicable

**Specific target organ toxicity - repeated exposure:** Not Applicable

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not Available

**Environmental Fate:** Not Available

**Environmental Degradation:** Not Available

**Soil Absorption/Mobility:** Not Available

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL PROCEDURES:** This product as sold is not a federal hazardous waste according to EPA regulations 40 CFR 261. Dispose of waste product in accordance with state and local regulations.

**Disposal Regulatory Requirements:** Not Available

**Container Cleaning and Disposal:** Not Available

## SECTION 14: TRANSPORT INFORMATION

**DOT Transportation Data (49 CFR 172.101):**



**Shipping Name:** Not regulated  
**Shipping Symbols:** Not Applicable  
**Hazard Class:** Not regulated  
**ID No.:** Not regulated  
**Packing Group:** Not Applicable  
**Label:** Not Applicable  
**Special Provisions (172.102):**  
Not Applicable

**Packaging Authorizations**

- a) **Exceptions:** Not Applicable
- b) **Non-bulk Packaging:** Not Applicable
- c) **Bulk Packaging:** Not Applicable

**Quantity Limitations**

- a) **Passenger, Aircraft, or Railcar:** Not Applicable
- b) **Cargo Aircraft Only:** Not Applicable

**Vessel Stowage Requirements**

- a) **Vessel Stowage:** Not Applicable
- b) **Other:** Not Applicable

Canadian TDG Hazard Class & PIN – Not regulated

## SECTION 15: REGULATORY INFORMATION

**Regulations:**

*International Inventory Listings:*

Components in this product are listed on the -  
U.S. TSCA Inventory  
Canadian Domestic Substances List  
European EINECS (2325059)  
Australian AICS

*U.S. Regulatory Information:*

Sara Classification(s): Not classified as hazardous.

Ingredients present in product that may require reporting under Section 313 of SARA Title III as defined in 40 CFR 372: None

Clean Air Act, Ozone Depleting Substances: This product does not contain nor was it manufactured with

Class I or Class II ozone depleting substances as defined by the Clean Air Act Amendments of 1990.

*U.S. Hazard Communication Standard Classification:* Not classified as hazardous.

*Formaldehyde Standard:* Does not contain formaldehyde.

*Pennsylvania Right-to-Know:* According to definitions and limitations of the regulation there are no special hazardous substances or an environmental hazard present in the product.

## SECTION 16: OTHER INFORMATION

**Prepared By:** Zuniga, A.

**Revision Notes:** Not Applicable

**Additional Hazard Rating Systems:** Not Applicable

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