

SAFETY DATA SHEET

Dispersant, DAXAD 23

Date of Preparation: 08/14/2020

SDS #: 004-16838-00MSDS

SECTION 1: IDENTIFICATION

Product Identification: Dispersant, DAXAD 23

CAS Number: 8061-51-6

Volumes: 30 g

Other Designations: Sodium Lignosulfonate, Lignosulfonic Acid, sodium salt, Dispergatorreax

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:

H302: Harmful if swallowed

H303: May be harmful if swallowed

H312: Harmful in contact with skin

H315: Causes skin irritation

H319: Causes serious eye irritation

H332: Harmful if inhaled

H335: May cause respiratory irritation

Pictograms:



Precautionary Statements:

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

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

P280: Wear protective gloves/protective clothing/eye protection/face protection

P301+P312: IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell

P302+P352: IF ON SKIN: wash with plenty of soap and water

P304+P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332+P313: IF SKIN irritation occurs: Get medical advice/attention

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

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. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Skin Contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Ingestion: Give the patient large amounts of water or milk to drink for dilution effect. Not necessary to induce vomiting. Never give anything by mouth to an unconscious person. 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.

Special Hazards Arising from the Substance or Mixture: Carbon oxides, Sulphur oxides

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. Further processing of solid materials may result in combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

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

Regulatory Requirements: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Nuisance Particulates	Total dust: 10 mg/m ³ Resp. dust: 5 mg/m ³	none estab.					

Engineering Controls:

Ventilation: Use product in a well ventilated area or under a fume hood. Use proper lab equipment while handling this product. Keep away from incompatible materials for possible risk of hazardous reaction.

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. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Safety Stations: N/A

Eye Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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 (H₂O=1, at 4 °C): N/A

pH of 1% Solution: Approx. 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

Mutagenicity: Not applicable

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Toxicity to fish:

LC0 - Phoxinus phoxinus - > 1,000 mg/l - 48 h

LC50 - Oncorhynchus mykiss (rainbow trout) - 7,300 mg/l - 48 h

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 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

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.

Massachusetts Right-to-Know Components: According to definitions and limitations of the regulation there are no special hazardous substances or an environmental hazard present in the product. CAS-No. 8061-51-6.

Pennsylvania Right-to-Know Components: According to definitions and limitations of the regulation there are no special hazardous substances or an environmental hazard present in the product. CAS-No. 8061-51-6.

New Jersey Right-to-Know Components: According to definitions and limitations of the regulation there are no special hazardous substances or an environmental hazard present in the product. CAS-No. 8061-51-6.

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Prepared By:

Revision Notes:

Rev. A – Revision (03/27/03)

Rev. B – Revision (6/25/04)

Rev. C – Updated to new standard (10/24/14)

Rev. D – Updated to EU REACH standards (8/14/20)

Additional Hazard Rating Systems: Not Applicable

Literary References:

Sigma-Aldrich Lignosulfonic acid sodium salt MSDS

<https://www.spectrumchemical.com/MSDS/TCI-L0098.pdf>

<https://www.pfaltzandbauer.com/SDSFile.ashx?ItemCode=S05950>

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