

Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: DABCYL succinimidyl ester [4-((4-(Dimethylamino)phenyl)azo)benzoic acid, succinimidyl ester] *CAS 146998-31-4*

Product number: 2005

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For research use only. Not intended for diagnostic or therapeutic use.

1.3 Details of the supplier of the safety data sheet

Company: AAT Bioquest, Inc.
Address: 5775 W Las Positas Blvd, Pleasanton, CA 94588
Telephone: (408)-733-1055
Fax: (408)-733-1304
Email: info@aatbio.com

1.4 Emergency telephone number

Chemtrec (Within USA): 1-(800)-424-9300
Chemtrec (Outside USA): 1-(703)-527-3887

Section 2: Hazard identifications

2.1 Classification of the substance or mixture

Reproductive toxicity: Category 2

2.2 Label elements

Signal word: Warning
Hazard statements: H361 - Suspected of damaging fertility or the unborn child
Symbols/Pictograms:



Precautionary statements - prevention: Obtain, read and follow all safety instructions before use. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Precautionary statements - response: if exposed or concerned, get medical advice.

Precautionary statements - storage: Store locked up.

Precautionary statements - disposal: Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Hazards not otherwise classified (HNOC): Not available

2.4 Other information

Other hazards: Principle Routes of Exposure / Potential Health Effects — eyes: May cause eye irritation with susceptible persons. Skin: May cause skin irritation in susceptible persons. inhalation: May be harmful by inhalation. Ingestion: May be harmful if swallowed. Specific effects — Carcinogenic effects: None. Mutagenic effects: None. Reproductive toxicity: May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility. Sensitization: None. Target Organ Effects: No information available.

Section 3: Composition/information on ingredients

3.1 Substances

Chemical name: DABCYL succinimidyl ester [4-((4-(Dimethylamino)phenyl)azo)benzoic acid, succinimidyl ester] *CAS 146998-31-4*

CAS number: 146998-31-4

Molecular weight: 366.37

Formula: Not available

Section 4: First aid measures

4.1 First-aid measures

General advice: If symptoms occur, seek medical advice/attention.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin contact: Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing and wash it before reuse. Immediate medical attention is required.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Ingestion: Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Self-protection of the first aider: Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: H361 - Suspected of damaging fertility or the unborn child

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

Section 5: Firefighting measures

5.1 Suitable extinguishing media

Suitable extinguishing media: Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable extinguishing media: No information available.

5.2 Specific hazards arising from the chemical

Specific hazards arising from the chemical:	Not known
Hazardous combustion products:	No information available.

5.3 Explosion data

Sensitivity to mechanical impact:	No information available.
Sensitivity to static discharge:	No information available.

5.4 Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective suit.
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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions:	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment.
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6.2 Environmental precautions

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for more information.
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6.3 Methods and material for containment and cleaning up

Methods for containment:	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up:	Take up mechanically, placing in appropriate containers for disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:	Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.
Incompatible materials:	No information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Exposure guidelines:	4-((4-(DIMETHYLAMINO)PHENYL)AZ: OSHA PEL None; OSHA PEL (Ceiling) None; ACGIH OEL (TWA) None; ACGIH OEL (STEL) None
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8.2 Appropriate engineering controls

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
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8.3 Individual protection measures, such as personal protective equipment

Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin and body protection:	Lightweight protective clothing.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Physical state:	Solid
Solubility in water:	Low
Appearance:	No information available.
Odor/odor threshold:	Mixture has not been tested
pH:	No data available
Melting point/freezing point:	No data available
Boiling point:	No data available
Flashpoint:	No data available
Liquid density:	No information available.
Evaporation rate:	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Specific gravity:	No information available.
Water solubility:	No information available
Solubility in other solvents:	No information available.
Partition coefficient:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No information available.
Viscosity:	Mixture has not been tested
Explosive properties:	No information available.
Oxidizing properties:	Mixture has not been tested

Section 10: Stability and reactivity

Reactivity:	None known.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reaction has not been reported
Hazardous polymerization:	None under normal processing.
Conditions to avoid:	None under normal processing.
Incompatible materials:	No information available.
Hazardous decomposition products:	No information available.

Section 11: Toxicological information

11.1 Information on likely routes of exposure

Inhalation:	May be harmful by inhalation. LC50 (inhalation,rat/mouse): No data available
Eye contact:	May cause eye irritation with susceptible persons.
Skin contact:	May cause skin irritation in susceptible persons. LD50 (dermal,rat/rabbit): No data available
Ingestion:	May be harmful if swallowed. LD50 (oral,rat/mouse): No data available

11.2 Information on toxicological effects

Symptoms:

Carcinogenic effects: None. Mutagenic effects: None. Reproductive toxicity: May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility. Sensitization: None. Target Organ Effects: No information available

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity:

No information available.

11.4 Numerical measures of toxicity - product information

Unknown acute toxicity:

No information available.

Section 12: Ecological information

Ecotoxicity:

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability:

Biodegradation: No information available.

Bioaccumulation:

Bioaccumulation: No information available.

Mobility:

Mobility: No information available.

Section 13: Disposal consideration

Disposal of wastes:

Dispose of contents/containers in accordance with local regulations.

Contaminated packaging:

Do not reuse container.

Other information:

None

Section 14: Transport information

DOT:

Not regulated

IMDG:

Not regulated

IATA:

Proper Shipping Name: No dangerous good in sense of these transport regulations; Hazard Class: None; Subsidiary class: None; Packing group: None; UN-No: none; Environmental hazards: None

Section 15: Regulatory information

15.1 International Inventories

US Toxic Substances Control Act (TSCA):

4-((4-(DIMETHYLAMINO)PHENYL)AZ (60-100): -

Canada (DSL/NDSL):

Not listed

Europe (EINECS/ELINCS/NLP):

Not listed

Australia (AICS):

Not listed

South Korea (KECL):

Not listed

China (IECSC):

Not listed

Japan (ENCS):

Not listed

Phillipines (PICCS):

Not listed

15.2 US Federal Regulations

SARA 313:

This product is not regulated by SARA.

SARA 311/312 components:

Not listed

CWA (Clean Water Act):

No information available.

15.3 US State Regulations

California Proposition 65:	This product does not contain any Proposition 65 chemicals.
Massachusetts-RTK:	Not listed
New Jersey-RTK:	Not listed
Pennsylvania-RTK:	Not listed
U.S. State Right-To-Know Regulations:	Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contains HAPs. WHMIS Hazard Class: D2A - Very toxic materials

Section 16: Other information

16.1 HMIS

Health hazards:	Not determined
Flammability:	Not determined
Reactivity:	Not determined
Personal protection:	Not determined

16.2 NFPA

Health hazards:	Not determined
Flammability:	Not determined
Stability:	Not determined
Physical and chemical properties:	Not determined

16.3 Further information

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding the completeness of the information based on all sources available. AAT Bioquest shall not be held liable for any damage resulting from handling or from contact with the above product.