

DENOVIX, INC.

Safety Data Sheet

DeNovix dsDNA High Sensitivity Dye (100x in DMSO)

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

1.1 Product identifier

Product name DeNovix dsDNA High Sensitivity Dye (100x in DMSO)

Other means of identification

Component 1 of 3 of KIT-DSDNA-HIGH-2 (2 x 1 mL, KIT-DSDNA-HIGH-1 (0.5 mL), or KIT-DSDNA-HIGH-E (100 uL)

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

For research use only

1.3 Details of the supplier of the safety data sheet

Name DeNovix, Inc.
Address 3411 Silverside Road
Hanby Building 101
Wilmington DE 19810
USA

Telephone 302-442-6911

1.4 Emergency telephone number

302-442-6911

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.3 Other hazards

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Dimethyl sulfoxide

| | |
|---------------|---------------------|
| Concentration | 90 - 100 % (weight) |
| EC no. | 200-664-3 |
| CAS no. | 67-68-5 |

- Flammable liquids, Cat. 4

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|------------------------------------|--|
| General notes | Consult a physician. Show this safety data sheet to the doctor in attendance. |
| Following inhalation | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| Following skin contact | Rinse with plenty of water. Get medical attention if irritation develops and persists. |
| Following eye contact | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice. |
| Following ingestion | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |
| Self-protection of the first aider | No data available |

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

Dimethyl sulfoxide: Carbon oxides, Sulphur oxides

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5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions

Should not be released into the environment. See Section 12 for additional ecological information.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protection equipment

Eye and face protection

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

Skin protection

Handle with gloves. Gloves must be inspected prior to use. 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.

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Body protection

Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards

No data available

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|--------------------------|
| Physical state | Liquid |
| Appearance | Orange Liquid |
| Colour | Orange |
| Odour | No information available |
| Odour threshold | No information available |
| Melting point/freezing point | No information available |
| Boiling point or initial boiling point and boiling range | No information available |
| Flammability | No information available |
| Lower and upper explosive limit | No information available |
| Flash point | No information available |
| Auto-ignition temperature | No information available |
| Decomposition temperature | No information available |
| pH | No information available |
| Kinematic viscosity | No information available |
| Solubility | Soluble |
| Partition coefficient n-octanol/water (log value) | No information available |
| Vapour pressure | No information available |
| Evaporation rate | No information available |
| Density and/or relative density | No information available |
| Relative vapour density | No information available |
| Particle characteristics | Not Applicable |

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No information available

9.2.2 Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

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Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

None under normal use conditions.

10.5 Incompatible materials

Strong oxidizing agents

Dimethyl sulfoxide: Acid chlorides, Phosphorus halides, Strong acids, Strong oxidizing agents, Strong reducing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

No information available

Skin corrosion/irritation

No information available

Serious eye damage/irritation

No information available

Respiratory or skin sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No information available

Specific target organ toxicity (STOT) - single exposure

No information available

Specific target organ toxicity (STOT) - repeated exposure

No information available

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Aspiration hazard
No information available

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity
No information available

12.2 Persistence and degradability
No information available

12.3 Bioaccumulative potential
No information available

12.4 Mobility in soil
No information available

12.5 Results of PBT and vPvB assessment
No information available

12.6 Endocrine disrupting properties
No information available

12.7 Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product disposal

Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of empty container in the trash or recycle where facilities exist.

Packaging disposal

Dispose of as unused product.

SECTION 14: Transport information

| | |
|--|------|
| 14.1 UN Number | None |
| 14.2 UN Proper Shipping Name | None |
| 14.3 Transport hazard class(es) | None |
| 14.4 Packing group | None |
| 14.5 Environmental hazards | None |
| 14.6 Special precautions for user | None |
| 14.7 Maritime transport in bulk according to IMO instruments | None |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Canadian Domestic Substances List (DSL)

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Chemical name: Methane, sulfinylbis-
CAS number: 67-68-5

EU Cosmetics Prohibited Substances List, (EC) 2009/1223 Annex II

Chemical name/INN: Dimethyl sulfoxide
CAS number: 67-68-5

New Jersey Right To Know Components

Common name: DIMETHYL SULFOXIDE
CAS number: 67-68-5
Listing note: TE-teratogen; F2-flammable 2nd deg.

SARA 302 Components

No chemicals in this material [Dimethyl sulfoxide] are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Fire Hazard, Chronic Health Hazard for: Dimethyl sulfoxide.

SARA 313 Components

This material [Dimethyl sulfoxide] 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.

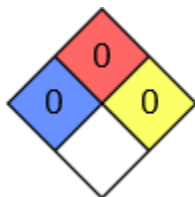
US EPA TSCA public inventory

Chemical name: Dimethyl sulfoxide
CAS number: 67-68-5

HMIS Rating

| DeNovix dsDNA High Sensitivity Dye (100x) | |
|--|---|
| HEALTH | 0 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | |

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with

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