

Safety Data Sheet

Hybridization Solution w/Leak Detectors

SECTION 1: Identification

1.1 Product identifier

Product name	651-00145, 651-00149 Hybridization Solution w/Leak Detector A 651-00146, 651-00150 Hybridization Solution w/Leak Detector B 651-00147, 651-00151 Hybridization Solution w/Leak Detector C 651-00148, 651-00152 Hybridization Solution w/Leak Detector D
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1.2 Supplier's details

Name	Standard Biotools
Address	2945 Wilderness Place Boulder, CO 80301 USA
Email	techsupport@somalogic.com

1.3 Emergency phone number(s)

For Hazardous Materials [or Dangerous Goods], Incident Spill, Leak, Fire, Exposure, or Accident call CHEMTREC Day or Night

Within USA and Canada	1-800-424-9300 SomaLogic Account #: CCN792766
Outside USA and Canada	+1 703-527-3887 (collect calls accepted)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. This product is a mixture.

3.2 Mixtures

No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulation

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink
If inhaled	In case of discomfort: bring the person into fresh air
In case of skin contact	Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.
In case of eye contact	Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help
If swallowed	Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet

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Burns	Not Applicable
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4.2 Most important symptoms/effects, acute and delayed

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

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

Information to medics

Bring this safety data sheet

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice. Fire fighters should wear appropriate personal protective equipment

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear gloves and safety goggles.

6.2 Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents

6.4 Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection

7.2 Conditions for safe storage, including any incompatibilities

Recommended storage material: Keep only in original packaging.

Storage conditions: Store in tightly closed container. Store in sealed containers that are appropriately labeled. St +15 °C to +30 °C, and away from incompatible material. Dry, cool and well ventilated

Incompatible materials: Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3 Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

8.2 Appropriate engineering controls

General Recommendations: Smoking, drinking and consumption of food is not allowed in the work area

Exposure scenarios: There are no exposure scenarios implemented for this product.

Exposure Limits: Occupational exposure limits have not been defined for the substances in this product

Appropriate technical measures: Apply standard precautions during use of the product. Avoid inhalation of vapours

Hygiene measures: Wash hands after use

Measures to avoid environmental exposure: No specific requirements

8.3 Individual protection measures, such as personal protective equipment (PPE)

Generally	No specific requirements
Eye/face protection	Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.
Skin protection	Wear disposable coveralls appropriate to the task, booties, and safety glasses with side shields. Ensure gloves are protective against solvents in use. Protective garments (coveralls, disposable coveralls, lab coats) are not to be worn in common areas (e.g., cafeterias) or out-of-doors. Employees must be trained in proper gowning and degowning practices
Hand protection	Wear nitrile or other impervious gloves if skin contact is possible. When the material is diluted in an organic solvent, wear gloves that provide protection against the solvent.
Respiratory protection	Choice of respiratory protection should be appropriate to the task and the level of existing engineering controls. For routine handling tasks, an approved and properly fitted air-purifying respirator with appropriate HEPA filters should provide ancillary protection based on the known or foreseeable limitations of existing engineering controls. Use a powered air-purifying respirator equipped with appropriate HEPA filters or combination filters or a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, when exposure levels are not known, or in any other circumstances where a lower level of respiratory protection may not provide adequate protection

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Clear, Colorless Liquid
Odor	None
Odor threshold	No data available.
pH	5 – 7
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

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 acids and strong oxidizing agents

10.6 Hazardous decomposition products

CO, CO₂, nitrogen oxides under fire

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not expected in small lab-use quantities

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Summary of evaluation of the CMR properties	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Toxicity	No data available.
Persistence and degradability	Based on available data, the classification criteria are not met
Bioaccumulative potential	Based on available data, the classification criteria are not met.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
Other adverse effects	None known

SECTION 13: Disposal considerations

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product

Disposal of the product	Dispose of in accordance with Federal, State, and local requirements.
Disposal of contaminated packaging	Dispose of in accordance with Federal, State, and local requirements.
Waste treatment	Dispose of in accordance with Federal, State, and local requirements.
Sewage disposal	Dispose of in accordance with Federal, State, and local requirements.

SECTION 14: Transport information

DOT (US)	Not dangerous goods.
IMDG	Not dangerous goods.
IATA	Not dangerous goods.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 U.S. Federal regulations

TSCA (the non-confidential portion): Octylphenoxy polyethoxyethanol (Triton X-100) is listed

Clean Air Act: None of the components are listed

EPCRA Section 302: None of the components are listed

EPCRA Section 304: None of the components are listed

EPCRA section 313: None of the components are listed

CERCLA: None of the components are listed

Hazardous chemical inventory reporting: This product is not subject to Tier II reporting.

15.3 State regulations

California/Prop. 65: None of the components are listed

Massachusetts / Right To Know Act: None of the components are listed

New Jersey / Right To Know Act: None of the components are listed

New York / Right To Know Act: None of the components are listed

Pennsylvania / Right To Know Act: None of the components are listed

15.4 Restrictions for application

Restricted to professional users

15.5 Demands for specific education

No specific requirements

15.6 Additional information

Not applicable

15.7 Chemical safety assessment

No

15.8 Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H315, Causes skin irritation.

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