

MATERIAL SAFETY DATA SHEET



Nexterion® Oligo Hyb

Author:	SCHOTT Technical Glass Solutions GmbH, Germany
Document:	LS6-HBM-M
Version:	1.2
Seite:	1/7
Datum:	© April 2009

1	General Information.....	2
2	Composition / information on ingredients	3
3	Hazards identification	3
4	First Aid Measurements.....	3
5	Fire-fighting measures.....	4
6	Accidental Release Measures	4
7	Handling and Storage.....	4
8	Exposure controls/personal protection	5
9	Physical and chemical properties	5
10	Chemical stability and reactivity.....	6
11	Toxicological information	6
12	Ecological information.....	6
13	Disposal Considerations	6
14	Transport information.....	7
15	Regulatory information.....	7
16	Other Information.....	7

MATERIAL SAFETY DATA SHEET



Nexterion® Oligo Hyb

Author:	SCHOTT Technical Glass Solutions GmbH, Germany
Document:	LS6-HBM-M
Version:	1.2
Seite:	2/7
Datum:	© April 2009

1 General Information

Manufacturer

SCHOTT Technical Glass Solutions GmbH
Otto-Schott-Straße 13
07745 Jena
Germany

Phone: +49-(0)3641-681-4069
Fax: +49-(0)3641-681-4970
E-Mail: coatedsubstrate@schott.com
www.schott.com/nexterion

Distributor for US, Canada, Mexico

Microarray Solutions
SCHOTT North America Inc.
5530 Shepherdsville Road
Louisville, KY 40228
USA

Phone: +1-502-6957-4417
Fax: +1-502-966-4976
E-Mail: coatedsubstrate@us.schott.com
www.us.schott.com/nexterion

MATERIAL SAFETY DATA SHEET



Nexterion® Oligo Hyb

Author:	SCHOTT Technical Glass Solutions GmbH, Germany
Document:	LS6-HBM-M
Version:	1.2
Seite:	3/7
Datum:	© April 2009

2 Composition / information on ingredients

Ingredient Name	Percent	CAS#	EC no
Water	> 39.75	7732-18-5	231-791-2
Formamide Repr. Cat.2 Symbols: T R-Phrases : 61 May cause harm to the unborn child.	50.00	75-12-7	200-842-0
Sodium Citrate	< 5.0	6132-04-3	None
Sodium Chloride	< 5.0	7647-14-5	231-598-3
Sodium Dodecyl Sulfate Symbols: Xn R-Phrases: 21/22 36/37/38 Harmful in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.	< 0.2	151-21-3	205-788-1
DNA from Herring Sperm	< 0.05	100403-24-5	309-566-6

3 Hazards identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

May cause harm to the unborn child. Harmful by inhalation and if swallowed. May cause sensitization by inhalation. Irritating to respiratory system and skin. Risk of serious damage to eyes.

4 First Aid Measurements

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

MATERIAL SAFETY DATA SHEET



Nexterion® Oligo Hyb

Author:	SCHOTT Technical Glass Solutions GmbH, Germany
Document:	LS6-HBM-M
Version:	1.2
Seite:	4/7
Datum:	© April 2009

AFTER EYE CONTACT

In case of contacts with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

5 Fire-fighting measures

Extinguishing Media: Use dry chemical, carbon dioxide, water spray or foam.

Special Risks: Specific Hazards: Emits toxic fumes under fire conditions.

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 Accidental Release Measures

Personal precaution procedures to be followed in case of leak or spill: Evacuate area

Procedures of personal precaution: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Wear disposable coveralls and discard them after use.

Methods for cleaning up: Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pick up is complete

7 Handling and Storage

Personal precaution procedures to be followed in case of leak or spill: Evacuate area

Procedures of personal precaution: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Wear disposable coveralls and discard them after use.

Methods for cleaning up: Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pick up is complete

MATERIAL SAFETY DATA SHEET



Nexterion® Oligo Hyb

Author:	SCHOTT Technical Glass Solutions GmbH, Germany
Document:	LS6-HBM-M
Version:	1.2
Seite:	5/7
Datum:	© April 2009

8 Exposure controls/personal protection

Engineering Controls: Mechanical exhaust required. Safety shower and eye bath required.

General Hygiene Measures: wash contaminated clothing before reuse. Wash thoroughly after handling.

Personal Protective Equipment:

Eyes: Chemical safety goggles

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure (lab coat).

Respirators: Government approved respirator

9 Physical and chemical properties

Physical state	liquid
pH	N/A
BP/BP Range	N/A
MP/MP Range	N/A
Flash Point	N/A
Flammability	N/A
Autoignition Temp	N/A
Oxidizing Properties	N/A
Explosive Properties	N/A
Vapor Pressure	N/A
SG/Density	N/A
Partition Coefficient	N/A
Viscosity	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
Evaporation Rate	N/A
Bulk Density	N/A
Decomposition Temp	N/A
Solvent Content	N/A
Surface Tension	N/A
Conductivity	N/A
Miscellaneous Data	N/A
Solubility	N/A

MATERIAL SAFETY DATA SHEET



Nexterion® Oligo Hyb

Author:	SCHOTT Technical Glass Solutions GmbH, Germany
Document:	LS6-HBM-M
Version:	1.2
Seite:	6/7
Datum:	© April 2009

10 Chemical stability and reactivity

Chemical stability: stable under normal conditions.

Conditions to avoid: acids, strong oxidizing agents, bases.

Incompatibilities with other materials: none reported

Hazardous decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides.

Hazardous Polymerization: will not occur

11 Toxicological information

SENSITIZATION

Respiratory: May cause allergic respiratory reaction.

SIGNS AND SYMPTONES OF EXPOSURE

Exposure can cause: Gastrointestinal disturbances. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

ROUTE OF EXPOSURE

Skin contact: Causes skin irritation.

Skin absorption : May be harmful if absorbed through the skin. Readily absorbed through the skin.

Eye contact: Causes severe eye irritation.

Inhalation: Harmful if inhaled. Vapor or mist is irritating to the mucous membranes and upper respiratory tracts.

Ingestion: Harmful if swallowed.

TARGET ORGAN INFORMATION

Blood, Central nervous system. Liver. Kidneys.

CHRONIC EXPOSURE-TERATOGEN

Result: May cause congenital malfunction in the fetus.

12 Ecological information

No information available.

13 Disposal Considerations

Disposal instructions: Waste must be discarded in accordance with all federal, state, provincial, and local regulations. Contact a licensed professional waste disposal service to

MATERIAL SAFETY DATA SHEET



Nexterion® Oligo Hyb

Author:	SCHOTT Technical Glass Solutions GmbH, Germany
Document:	LS6-HBM-M
Version:	1.2
Seite:	7/7
Datum:	© April 2009

dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14 Transport information

RID/ADR Non-hazardous for road transport
IMDG Non-hazardous for sea-transport
IATA Non-hazardous for air-transport

15 Regulatory information

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: T

Toxic

R-PHRASES: 61 20/22 42 37/38 41

May cause harm to the unborn child. Harmful by inhalation and if swallowed. May cause sensitization by inhalation. Irritating to respiratory system and skin. Risk of serious damage to eyes.

S-PHRASES: 45 26 36/37/39 23

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. Do not breathe vapor.

16 Other Information

The information contained herein is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product. The Schott Jena^{er} Glass GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.

Disclaimer: For Research and development use only. Not for drug, household or other uses.