

SAFETY DATA SHEET

United States

Section 1. Identification

Product name

Cy[™]5 Maleimide Mono-reactive Dye 5-pack

Catalogue Number PA25031

Chemical name Cy5 (maleimide)

Other means of identification 1-(6-{[2-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-(1E,3E,5E

(1,3,3-trimethyl-5-sulfo-1,3-dihydro-2H-indol-2-ylidene)penta-1,3-dienyl]-3H-indolium

Product type Solie

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

Identified uses

Analytical chemistry. Laboratory chemicals

Scientific research and development

Industrial applications: Analytical chemistry. Research.

Supplier Cytiva

Amersham Place
Little Chalfont
Buckinghamshire
HP7 9NA United Kingdom

HP7 9NA United Kingdom +44 0800 515 313

In case of emergency INFOTRAC - 24 Hour number: 1-800-535-5053

Outside of the United States, call 24 Hour number: 001-352-323-3500 (Call Collect)

Cytiva USA

100 Results Way Marlborough, MA 01752

1-800-526-3593

Section 2. Hazards identification

OSHA/HCS status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

Classification of the substance

or mixture

ACUTE TOXICITY (oral) - Category 3

RESPIRATORY SENSITIZATION - Category 1

SKIN SENSITIZATION - Category 1

GHS label elements

Hazard pictograms





Signal word Danger

Hazard statements Toxic if swallowed.

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

Prevention Wear protective gloves. Wear respiratory protection. Avoid breathing dust. Do not eat, drink or

smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must

not be allowed out of the workplace.

Response IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing

respiratory symptoms: Call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Wash contaminated clothing before reuse. IF ON SKIN:

Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention.

Article Number: 25800674 Page: 1/8



Version 9

Version 9

Storage Store locked up.

Disposal Dispose of contents and container in accordance with all local, regional, national and international

regulations.

Hazards not otherwise

classified

None known.

Section 3. Composition/information on ingredients

Substance/mixtureSubstanceChemical nameCy5 (maleimide)

Other means of identification 1-(6-{[2-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,3-dimethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl]amino}-6-oxohexyl)-3,5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-dihydro-1H-pyrrol-1-yl)ethyl-2-[(1E,3E,5E)-5-(1E,3E,5E)-5-(1E,3E,5E)-1-[(1E,3E,5E)-5-(1E,3E,5E)-1-[(1E,3E,5E)-5-(1E,3E,5E)-1-[(1E,3E,5E)-5-(1E,3E,5E)-1-[(1E,3E,5E)-5-(1E,3E,5E)-1-[(1E,3E,5E)-5-(1E,3E,5E)-1-[(1E,3E,5E)-5-(1E,3E,5E)-1-[(1E,3E,5E)-5-[(1E,3E

(1,3,3-trimethyl-5-sulfo-1,3-dihydro-2H-indol-2-ylidene)penta-1,3-dienyl]-3H-indolium

CAS number/other identifiers

CAS number Not available.

Ingredient name % CAS number

Cy5 (maleimide) 100 -

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check

for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention

if irritation occurs.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected

that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of

inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or

symptoms, avoid further exposure.

Skin contact Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash

contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid

further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion Get medical attention immediately. Call a poison center or physician. Wash out mouth with water.

Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or

waistband

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Inhalation May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin contact May cause an allergic skin reaction.

Ingestion Toxic if swallowed.

Over-exposure signs/symptoms

Eye contact No specific data.

Inhalation Adverse symptoms may include the following:

wheezing and breathing difficulties

asthma

Skin contact Adverse symptoms may include the following:

irritation redness

Ingestion No specific data.

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

Notes to physician In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed

person may need to be kept under medical surveillance for 48 hours.

Specific treatments No specific treatment.

Article Number: 25800674 Page: 2/8

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

None known.

Specific hazards arising from

the chemical

No specific fire or explosion hazard.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide carbon monoxide

carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides

Special protective actions for

fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No action shall be taken involving any personal risk or w

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when

ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with

equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal

contractor.

Large spill Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water

courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information

and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Article Number: 25800674



Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Cy5 (maleimide) None.

Appropriate engineering

controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure

to airborne contaminants below any recommended or statutory limits.

Environmental exposure

controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to

acceptable levels.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all

times when handling chemical products if a risk assessment indicates this is necessary.

Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection Personal protective equipment for the body should be selected based on the task being performed

and the risks involved and should be approved by a specialist before handling this product.

Other skin protection Appropriate footwear and any additional skin protection measures should be selected based on the

task being performed and the risks involved and should be approved by a specialist before handling

this product.

Respiratory protection Based on the hazard and potential for exposure, select a respirator that meets the appropriate

standard or certification. Respirators must be used according to a respiratory protection program to

ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state Solid.

Color Blue.

Odor Odorless.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Boiling point, initial boiling point, and boiling range

Flash point [Product does not sustain combustion.]

Burning timeNot available.Burning rateNot available.Evaporation rateNot available.

Flammability Non-flammable but will burn on prolonged exposure to flame or high temperature.

Lower and upper explosive

(flammable) limits

Solubility(ies)

Article Number :

Not applicable.

Vapor pressureNot available.Relative vapor densityNot applicable.Relative densityNot available.

MediaResultcold waterSolublehot waterSoluble

Solubility in water Not available.

5 2 5 8 0 0 6 7 4

25800674

Partition coefficient: n-octanol/

water

 Auto-ignition temperature
 Not applicable.

 Decomposition temperature
 Not available.

 SADT
 Not available.

 Viscosity
 Not applicable.

Not available.

Flow time (ISO 2431) Not available.

Molecular weight 684.86

Particle characteristics

Median particle size Not available.

Section 10. Stability and reactivity

Reactivity No specific test data related to reactivity available for this product or its ingredients.

Chemical stability The product is stable.

Possibility of hazardous

reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid No specific data.

Incompatible materials No specific data.

Hazardous decomposition Under normal conditions of storage and use, hazardous decomposition products should not be

products produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Conclusion/Summary To the best of our knowledge, the toxicological properties of this substance have not been

thoroughly investigated.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes

Routes of entry anticipated: Oral, Dermal, Inhalation.

of exposure

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Inhalation May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin contact May cause an allergic skin reaction.

Ingestion Toxic if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact No specific data.

Article Number: 25800674



Inhalation Adverse symptoms may include the following:

wheezing and breathing difficulties

asthma

Skin contact Adverse symptoms may include the following:

irritation redness

Ingestion No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Long term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

Potential chronic health effects

Not available.

General Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

CarcinogenicityNo known significant effects or critical hazards.MutagenicityNo known significant effects or critical hazards.Reproductive toxicityNo known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
Cy5 (maleimide)	100	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K

Not available.

oc)

Other adverse effects No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information



Cy™5 Maleimide Mono-reactive Dye 5-pack TDG Classification Mexico Classification **DOT Classification** UN2811 UN2811 UN2811 **UN number** Toxic solid, organic, n.o.s. (Cy5 **UN** proper shipping name Toxic solid, organic, n.o.s. (Cy5 Toxic solid, organic, n.o.s. (Cy5 (maleimide), solid) (maleimide), solid) (maleimide), solid) Transport hazard class(es) Packing group Ш Ш **Environmental hazards** No. No. No. Additional information Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.26-2.36 (Class 6). ADR/RID **IMDG** IATA **UN** number UN2811 UN2811 UN2811 **UN** proper shipping name Toxic solid, organic, n.o.s. (Cy5 Toxic solid, organic, n.o.s. (Cy5 Toxic solid, organic, n.o.s. (Cy5 (maleimide), solid) (maleimide), solid) (maleimide), solid) Transport hazard class(es)

Ш

No

Not available

Special precautions for user

Environmental hazards

Additional information

Transport within user's premises: always transport in closed containers that are upright and

secure. Ensure that persons transporting the product know what to do in the event of an accident or

Ш

No.

spillage.

Tunnel code E

Not available.

Transport in bulk according to

IMO instruments

Packing group

Proper shipping name

Ш

No

Section 15. Regulatory information

U.S. Federal regulations TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112(b) Hazardous Air Pollutants Not listed

(HAPs)

Clean Air Act Section 602 Class I Substances Not listed Clean Air Act Section 602 Class II Substances Not listed **DEA List I Chemicals (Precursor Chemicals)** Not listed **DEA List II Chemicals (Essential Chemicals)** Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ Not applicable.

SARA 311/312

Classification ACUTE TOXICITY (oral) - Category 3

RESPIRATORY SENSITIZATION - Category 1

SKIN SENSITIZATION - Category 1

Composition/information on ingredients

Name Classification

Cy5 (maleimide) 100 ACUTE TOXICITY (oral) - Category 3

RESPIRATORY SENSITIZATION - Category 1

SKIN SENSITIZATION - Category 1

State regulations

Massachusetts This material is not listed **New York** This material is not listed. **New Jersey** This material is not listed. Pennsylvania This material is not listed.

25800674 Article Number:



California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

United States Not determined Canada inventory Not determined.

Section 16. Other information

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

Classification Justification

ACUTE TOXICITY (oral) - Category 3 Expert judgment **RESPIRATORY SENSITIZATION - Category 1** Expert judgment SKIN SENSITIZATION - Category 1 Expert judgment

History

4/5/2023 Date of printing 4/5/2023 Date of issue/Date of revision Date of previous issue 4/30/2021 Version 9

sds_author@cytiva.com Key to abbreviations ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified

by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available UN = United Nations

References Not available.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Article Number :

25800674

Page: 8/8