01/11/2024	Kit Components
Product code	Description
N1620	Nano-Glo® Dual-Luciferase® Reporter Assay
Components:	
E632B	ONE-Glo [™] EX Luciferase Assay Buffer
E633B	ONE-Glo [™] EX Luciferase Assay Substrate
N142B	NanoDLR [™] Stop & Glo® Buffer
N143B	NanoDLR [™] Stop & Glo® Substrate



Printing date 01/11/2024

Reviewed on 12/07/2023

Page 1/8

1 Identification

Product identifier Trade name: <u>NanoDLRTM Stop & Glo® Buffer</u> **Article number:** N142B **Application of the substance / the mixture** For Laboratory Use

Details of the supplier of the safety data sheet Manufacturer/Supplier: Promega Corporation 2800 Woods Hollow Road Madison, WI 53711 U.S.A. 1-800-356-9526 or (608)-274-4330

Information department: SDS author: chemicalregulatory@promega.com

Emergency telephone number:

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

Classification of the substance or mixture

GHS08 Health hazard

Carcinogenicity 2 H351 Suspected of causing cancer.

Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn child.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). *Hazard pictograms*



Signal word Warning

Hazard-determining components of labeling: thiourea Hazard statements Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

(Contd. on page 2)

US

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Buffer

	(Contd. of page 1)
Wear protective gloves/protective clothing/eye protection/face protection.	
IF exposed or concerned: Get medical advice/attention.	
Store locked up.	
Dispose of contents/container in accordance with local/regional/national/international regulations	5.
Classification system:	
NFPA ratings (scale 0 - 4)	
Health = 0	
Fire = 0	
Reactivity = 0	
HMIS-ratings (scale 0 - 4)	
Health $= 0$	
Fire = 0	
Reactivity = 0	
OSHA Hazard Overview (Criteria according to 29CFR1910.1200):	
Reproductive Hazard	
Suspected Carcinogen	
Target Organ(s): Not applicable or unknown	
Other hazards	
Results of PBT and vPvB assessment	
PBT: Not applicable.	
vPvB: Not applicable.	

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

The product is made up of a mixture of hazardous and non-hazardous components. The exact concentration percentages and components name may be withheld as a Promega Corp. trade secret.

Dangerous components:

125572-95-4	trans-1,2-Diaminocyclohexane-N,N,N',N'-tetraacetic acid monohydrate	1-5%
1200/2007		
62-56-6	thiourea	<1%
02-50-0	inioured	~170

4 First-aid measures

Description of first aid measures

After inhalation: If the patient feels unwell or is concerned, obtain medical advice.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If the patient feels unwell or is concerned, obtain medical advice.

Information for doctor:

Most important symptoms and effects, both acute and delayed

None

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

(Contd. on page 3)

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Buffer

(Contd. of page 2)

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture

None known

No further relevant information available.

Advice for firefighters No special advice.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Remove persons from danger area.
Wear protective clothing.
Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to Section 13.
Reference to other sections
See Section 7 for information on safe handling.
See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling Keep receptacles tightly sealed. Open and handle receptacle with care. **Information about protection against explosions and fires:** Keep respiratory protective device available. The product is not flammable.

Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Do not store below -20°C. Protected from light. Information about storage in one common storage facility: Not required. Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

(Contd. on page 4)

US

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLR[™] Stop & Glo® Buffer

(Contd. of page 3)

Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Pregnant women should strictly avoid inhalation or skin contact.
Do not eat or drink while working.
Breathing equipment: Not required.
Protection of hands: Not required.
Material of gloves
Gloves impermeable to the specific chemical substance.
Please observe the instructions regarding permeability and breakthrough time which are provided by the
manufacturer/supplier of the gloves. Ensure gloves are suitable for the task which includes, but is not limited to,
chemical compatibility, dexterity, operational conditions, user susceptibility, e.g., sensitization effects. Consider
specific local conditions under which the product is used such as the danger of cuts and abrasion. Remove gloves

with care to avoid skin contamination.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection:

Safety glasses

Use equipment for eye protection tested and approved under government NIOSH standards.

Information on basic physical and General Information	chemical properties	
Appearance:		
Form:	Fluid	
Color:	Colorless	
Odor:	Not determined	
Odor threshold:	Not determined.	
pH-value at 20 °C (68 °F):	5.5	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	100 °C (212 °F)	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Not applicable.	
Decomposition temperature:	Not determined.	
Ignition temperature:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapor pressure:	Not determined.	
Density at 20 °C (68 °F):	1.0515 g/cm³ (8.77477 lbs/gal)	
Relative density	Not determined.	

US

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Buffer

		(Contd. of page
Vapor density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Fully miscible.	
Partition coefficient (n-octano	l/water): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent separation test		
Organic solvents:	0.2 %	
Water:	88.5 %	
VOC content:	0.20 %	
Solids content:	11.3 %	
Other information	No further relevant information available.	

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. *Possibility of hazardous reactions* No dangerous reactions known. *Conditions to avoid* No further relevant information available. *Incompatible materials:* No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects Acute toxicity: LD/LC50 values that are relevant for classification: No data available Primary irritant effect: on the skin: Causes skin irritation. on the eye: No data available. Sensitization: In case of skin contact: not sensitising In case of inhalation: not sensitising In case of inhalation: not sensitising Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: OECD test guideline 471, Ames test.

Carcinogenic categories

IARC (International Agency for Research on Cancer)	
62-56-6 thiourea	
64-17-5 ethanol	
NTP (National Toxicology Program)	
62-56-6 thiourea	I .
	(Contd. on page

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Buffer

(Contd. of page 5)

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

12 Ecological information

Toxicity

Aquatic toxicity: Not harmful to the aquatic environment Persistence and degradability *Not available* No further relevant information available. Bioaccumulative potential Not known No further relevant information available. Mobility in soil No further relevant information available. Ecotoxicological effects: **Remark:** Not available Additional ecological information: General notes: Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Results of PBT and vPvB assessment **PBT:** Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations. **Recommended cleansing agent:** Water, if necessary with cleansing agents.

UN-Number DOT, ADR, IMDG, IATA	Not hazardous for transportation Not applicable
UN proper shipping name	None
DOT, ADR, ADN, IMDG, IATA	Not applicable
Transport hazard class(es)	None
DOT, ADR, ADN, IMDG, IATA	
Class	Not applicable
Packing group	None

ACTIVE

Safety Data Sheet acc. to OSHA HCS

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Buffer

		(Contd. of page 6)
DOT, ADR, IMDG, IATA	Not applicable	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.	
UN "Model Regulation":	Not applicable	

15 Regulatory information

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

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

62-56-6 thiourea

TSCA (Toxic Substances Control Act) Inventory:

62-56-6 thiourea

Hazardous Air Pollutants

None of the ingredients are listed.

Proposition 65

Chemicals known to cause cancer:

62-56-6 thiourea

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

New Jersey Right-to-Know List:

128446-35-5 Trade secret 01-N142

62-56-6 thiourea

64-17-5 ethanol

Pennsylvania Right-to-Know List:

128446-35-5 Trade secret 01-N142

62-56-6 thiourea

64-17-5 ethanol

Cancerogenity categories

EPA (Environmental Protection Agency)

None of the ingredients are listed.

TLV (Threshold Limit Value)

64-17-5 ethanol

A3

(Contd. on page 8)

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Buffer

(Contd. of page 7)
NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients are listed.
<i>GHS label elements</i> The product is classified and labeled according to the Globally Harmonized System (GHS). <i>Signal word</i> Warning
Hazard-determining components of labeling:
thiourea
Hazard statements
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Precautionary statements
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Chemical safety assessment
Additional classification according to Decree on Hazardous Materials: Can cause cancer.
Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS:

Promega Corporation Chemical Regulatory Department 2800 Woods Hollow Road Madison, WI Ph:(608)274-4330 chemicalregulatory@promega.com Contact: Date of preparation / last revision 01/11/2024 Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Carcinogenicity 2: Carcinogenicity - Category 2 Toxic to Reproduction 2: Reproductive toxicity - Category 2



Printing date 01/11/2024

Reviewed on 12/07/2023

Page 1/9

1 Identification

Product identifier Trade name: <u>NanoDLRTM Stop & Glo® Substrate</u> **Article number:** N143B **Application of the substance / the mixture** For Laboratory Use

Details of the supplier of the safety data sheet Manufacturer/Supplier: Promega Corporation 2800 Woods Hollow Road Madison, WI 53711 U.S.A. 1-800-356-9526 or (608)-274-4330

Information department: SDS author: chemicalregulatory@promega.com

Emergency telephone number:

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

Classification of the substance or mixture



Flammable Liquids 2 H225 Highly flammable liquid and vapor.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). *Hazard pictograms*



Signal word Danger Hazard statements Highly flammable liquid and vapor. Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eve protection/face protection.

(Contd. on page 2)

[–] ÚS

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Substrate

(Contd. of page 1)	
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.	
In case of fire: Use CO2, powder or water spray to extinguish.	
Store in a well-ventilated place. Keep cool.	
Dispose of contents/container in accordance with local/regional/national/international regulations.	
Classification system:	
NFPA ratings (scale 0 - 4)	
Health = 0	
Fire = 3	
Reactivity = 0	
HMIS-ratings (scale 0 - 4) Health = 0	
Fire = 3	
Reactivity = 0 OSHA Hazard Overview (Criteria according to 29CFR1910.1200): Flammable	
Primary route(s) of entry: Inhalation	
Target Organ(s):	
May cause Liver damage (Hepatotoxin)	
May affect Nervous system (Neurotoxin)	
Other hazards	
Results of PBT and vPvB assessment	
PBT: Not applicable.	
vPvB: Not applicable.	

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

The product is made up of a mixture of hazardous and non-hazardous components. The exact concentration percentages and components name may be withheld as a Promega Corp. trade secret.

Danger	us components:	
64-17-5	ethanol	25-50%
57-55-6	Propylene glycol	25-50%

4 First-aid measures

Description of first aid measures General information: Immediately remove any clothing soiled by the product. After inhalation: If the patient feels unwell or is concerned, obtain medical advice. After skin contact: Generally the product does not irritate the skin. After eye contact: Rinse opened eye for several minutes under running water. After swallowing: If the patient feels unwell or is concerned, obtain medical advice. Information for doctor: Most important symptoms and effects, both acute and delayed Headache Dizziness Nausea Indication of any immediate medical attention and special treatment needed No further relevant information available.

(Contd. on page 3)

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Substrate

(Contd. of page 2)

5 Fire-fighting measures

Extinguishing media Suitable extinguishing agents: Use fire fighting measures that suit the environment. Special hazards arising from the substance or mixture None known No further relevant information available. Advice for firefighters In the case of fire, wear respiratory protective equipment and chemical protective suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Remove persons from danger area. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources Wear protective clothing. **Environmental precautions:** Prevent seepage into sewage system, workpits and cellars. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation. **Reference to other sections** See Section 7 for information on safe handling. See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling Use only in well ventilated areas. **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Store in a cool location. Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

Specific end use(s) No further relevant information available.

(Contd. on page 4)

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Substrate

(Contd. of page 3)

8 Exposure controls/personal protection			
Control parameters			
Components with limit values that require monitoring at the workplace:			
64-17	-5 ethanol		
PEL	Long-term value: 1900 mg/m ³ , 1000 ppm		
REL	Long-term value: 1900 mg/m³, 1000 ppm		
TLV	Short-term value: 1000 ppm		
	<i>A</i> 3		
57-55	6 Propylene glycol		
WEEI	Long-term value: 10 mg/m ³		
Additi	onal information: The lists that were valid during the creation were used as basis.		
Expos	ure controls		
-	nal protective equipment:		
	al protective and hygienic measures:		
Immed	liately remove all soiled and contaminated clothing.		
	hands before breaks and at the end of work.		
	hing equipment: Not required.		
	etion of hands: Not required.		
	ial of gloves		
	Gloves impermeable to the specific chemical substance.		
	Please observe the instructions regarding permeability and breakthrough time which are provided by the		
	manufacturer/supplier of the gloves. Ensure gloves are suitable for the task which includes, but is not limited to,		
	chemical compatibility, dexterity, operational conditions, user susceptibility, e.g., sensitization effects. Consider		
	specific local conditions under which the product is used such as the danger of cuts and abrasion. Remove gloves with care to avoid skin contamination.		
	are to avoid skin contamination. election of the suitable gloves does not only depend on the material, but also on further marks of quality and		
	varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance		

of the glove material can not be calculated in advance and has therefore to be checked prior to the application. *Eye protection:*

Safety glasses

Use equipment for eye protection tested and approved under government NIOSH standards.

Information on basic physical and General Information Appearance:	chemical properties	
Form:	Fluid	
Color:	Colorless	
Odor:	Not determined	
Odor threshold:	Not determined.	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	78 °C (172.4 °F)	
Flash point:	14 °C (57.2 °F)	
Flammability (solid, gaseous):	Highly flammable.	
Auto igniting:	371 °C (699.8 °F)	

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Substrate

	(Contd. of page 4
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
	Product does not present an explosion hazard. Product is not explosive. However, formation of explosive air/vapo mixtures are possible.
Explosion limits:	
Lower:	2.6 Vol %
Upper:	15 Vol %
Vapor pressure at 20 °C (68 °F):	59 hPa (44.3 mm Hg)
Vapor pressure at 50 °C (122 °F):	280 hPa (210 mm Hg)
Density:	Not determined.
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent separation test	
Organic solvents:	99.9 %
0	99.85 %
Solids content:	0.2 %
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available. Chemical stability Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. Possibility of hazardous reactions No dangerous reactions known. Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects Acute toxicity: LD/LC50 values that are relevant for classification: No data available Primary irritant effect: on the skin: Causes skin irritation. on the eye: No data available. Sensitization: In case of skin contact: not sensitising In case of inhalation: not sensitising

(Contd. on page 6)

[–] ÚS

Printing date 01/11/2024

Reviewed on 12/07/2023

(Contd. of page 5)

1

Trade name: NanoDLRTM Stop & Glo® Substrate

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer)

64-17-5 ethanol

NTP (National Toxicology Program)

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

12 Ecological information

Toxicity

Aquatic toxicity: Not harmful to the aquatic environment Persistence and degradability Not available No further relevant information available. **Bioaccumulative potential** Not known No further relevant information available. Mobility in soil No further relevant information available. Ecotoxicological effects: **Remark:** Not available Additional ecological information: General notes: No data available. Results of PBT and vPvB assessment **PBT:** Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

UN-Number DOT, ADR, IMDG, IATA

UN1170

(Contd. on page 7)

US -

(Contd. of page 6)

Safety Data Sheet acc. to OSHA HCS

Printing date 01/11/2024

Reviewed on 12/07/2023

Tr	Trade name: NanoDLR™ Stop & Glo® Substrate		
	UN proper shipping name		
	DOT	Ethanol	
	ADR	1170 ETHANOL (I	
	IMDC	ETUMOI (ETUV	

DOT ADR IMDG IATA	Ethanol 1170 ETHANOL (ETHYL ALCOHOL) ETHANOL (ETHYL ALCOHOL) ETHANOL
Transport hazard class(es)	
DOT	
RAMME LOO	
Class	3 Flammable liquids
Label	3
ADR	
Class	3 (F1) Flammable liquids
Label	3
IMDG, IATA	
Class Label	3 Flammable liquids 3
	5
Packing group DOT, ADR, IMDG, IATA	II
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Flammable liquids
Hazard identification number (Kemler code)	
EMS Number: Stowage Category	F-E,S-D A
Transport in bulk according to Annex II of	11
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
IMDG Limited quantities (LQ)	1L
	(Contd. on page

(Contd. on page 8)

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ACTIVE

ACTIVE

Safety Data Sheet acc. to OSHA HCS

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Substrate

	(Contd. of page 7)
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II

15 Regulatory information

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

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act) Inventory:

64-17-5 ethanol

57-55-6 Propylene glycol

Hazardous Air Pollutants

None of the ingredients are listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

New Jersey Right-to-Know List:

64-17-5 ethanol

57-55-6 Propylene glycol

Pennsylvania Right-to-Know List:

64-17-5 ethanol

57-55-6 Propylene glycol

Cancerogenity categories

EPA (Environmental Protection Agency)

None of the ingredients are listed.

TLV (Threshold Limit Value)

64-17-5 ethanol

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). **Signal word** Danger

(Contd. on page 9)

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US

Printing date 01/11/2024

Reviewed on 12/07/2023

Trade name: NanoDLRTM Stop & Glo® Substrate

	(Contd. of page 8)
Hazard statements	
Highly flammable liquid and vapor.	
Precautionary statements	
Keep away from heat/sparks/open flames/hot surfaces No smoking.	
Keep container tightly closed.	
Ground/bond container and receiving equipment.	
Use explosion-proof electrical/ventilating/lighting/equipment.	
Use only non-sparking tools.	
Take precautionary measures against static discharge.	
Wear protective gloves/protective clothing/eye protection/face protection.	
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.	
In case of fire: Use CO2, powder or water spray to extinguish.	
Store in a well-ventilated place. Keep cool.	
Dispose of contents/container in accordance with local/regional/national/international regulations	
Chemical safety assessment	
Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.	

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS:

Promega Corporation Chemical Regulatory Department 2800 Woods Hollow Road Madison, WI *Ph:(608)274-4330* chemicalregulatory@promega.com Contact: Date of preparation / last revision 01/11/2024 Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Flammable Liquids 2: Flammable liquids – Category 2