

SECTION 1: Product and Company Identification

Identification of the substance or mixture

Catalog #: 10493, 10493-1
Product Name: Coomassie Brilliant Blue Destaining Solution

Company Identification

Cepharm Life Sciences Inc.
11830 W Market Place, Suite K
Fulton, MD 20759
USA
Toll Free: 1-800-257-1565
Phone: 410-636-4954

24-hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1010970

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards identification

Classification of the substance or mixture

Flam. Liq. 2	H225 Highly flammable liquid and vapor.
Acute Tox. 3	H331 Toxic if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
STOT SE 1	H370 Causes damage to organs.

Label elements

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

Hazard pictograms



GHS02 GHS06 GHS07 GHS08

Signal word Danger

Hazard-determining components of labeling:

methanol

Hazard statements

H225	Highly flammable liquid and vapor.
H331	Toxic if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H370	Causes damage to organs.

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: Contact with acids may cause release of toxic gases

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

SECTION 3: Composition / Information on Ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions.

Listing of dangerous and non-hazardous components:			
67-56-1	Methanol	Flam. Liq. 2, H225 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT SE 1, H370	20-35%
64-19-7	acetic acid, glacial	Flam. Liq. 3, H226 Skin Corr. 1A, H314	10-20%
7732-18-5	Water		50-100%

Additional information For the wording of the listed risk phrases refer to section 15.

SECTION 4: First Aid Measures

Description of first aid measures

After inhalation

Supply fresh air; consult doctor in case of complaints.

After eye contact

Rinse opened eye for several minutes under running water.

After swallowing

Induce vomiting and call for medical help.

Information for doctor

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting 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

No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

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).

Reference to other sections

See Section 7 for information on safe handling
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling & Storage
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Handling**Precautions for safe handling**

No special measures required if used correctly.

Information about protection against explosions and fires

No special measures required.

Conditions for safe storage, including any incompatibilities**Storage****Requirements to be met by storerooms and receptacles:**

According to product specification

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

Specific end use(s)

No further relevant information available

SECTION 8: Exposure Controls / Personal Protection

Additional information about design of technical systems:

No further data; see item 7.

Control parameters**Components with limit values that require monitoring at the workplace:**

Components with limit values that require monitoring at the workplace:	
67-56-1 methanol	
PEL ()	260 mg/m ³ , 200 ppm
REL ()	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm
TLV ()	Skin TLV () Short-term value: 328 mg/m ³ , 250 ppm Long-term value: 262 mg/m ³ , 200 ppm Skin; BEI
64-19-7 acetic acid, glacial	
PEL ()	25 mg/m ³ , 10 ppm
REL ()	Short-term value: 37 mg/m ³ , 15 ppm Long-term value: 25 mg/m ³ , 10 ppm
TLV ()	Short-term value: 37 mg/m ³ , 15 ppm Long-term value: 25 mg/m ³ , 10 ppm
Ingredients with biological limit values:	
67-56-1 methanol	
BEI ()	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)

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

Exposure controls**Personal protective equipment**

General protective and hygienic measures Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

Protection of hands: Protective gloves.

Material of gloves Synthetic gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance:**Form:** Liquid**Color:** Colorless**Odor:** Acrid**Odor threshold:** Not determined.**pH-value:** Not determined.

Change in condition

Melting point/Melting range: undetermined**Boiling point/Boiling range:** undetermined**Flash point:** Not applicable**Flammability (solid, gaseous)** Not applicable.**Ignition temperature:** 455 °C**Decomposition temperature:** Not determined.**Auto igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:****Lower:** 4.0 Vol %**Upper:** 44.0 Vol %**Vapor pressure at 20 °C:** 128 hPa**Density at 20 °C:** 0.92102 g/cm³**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 content:****Organic solvents:** 45.7 %**Water:** 54.3 %

Other information No further relevant information available.

SECTION 10: Stability & 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

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity:

LD/LC50 values for hazardous components per OSHA criteria:		
67-56-1 methanol		
Oral	LD50	5628 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rat)
64-19-7 acetic acid, glacial		
Oral	LD50	3310 mg/kg (rat)

Primary irritant effect:**on the skin:** Irritant to skin and mucous membranes.**on the eye:** Irritant effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

SECTION 12: Ecological Information**Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**SECTION 13: Disposal Considerations****Waste treatment methods****Recommendation**

Hand over to hazardous waste disposers.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agent:** Water, if necessary with cleansing agents.**SECTION 14: Transport Information****UN-Number****DOT, ADR, IMDG, IATA**

UN2924

UN proper shipping name

DOT	Flammable liquids, corrosive, n.o.s. (Methanol, Acetic acid, glacial)
ADR	2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHANOL, ACETIC ACID, GLACIAL)
IMDG, IATA	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHANOL, ACETIC ACID, GLACIAL)

Transport hazard class(es)

DOT	
Class	3 Flammable liquids
Label	3, 8

ADR	
Class	3 Flammable liquids
Label	3+8

IMDG	
Class	3 Flammable liquids
Label	3/8

IATA	
Class	3 Flammable liquids
Label	3 (8)

Packing group	
DOT, ADR, IMDG, IATA	III

Environmental hazards:	
Marine pollutant:	No

Special precautions for user	Warning: Flammable liquids
EMS Number:	F-E,S-C

Segregation groups Acids
Stowage Category A
Stowage Code SW2 Clear of living quarters.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

DOT
Quantity limitations Void
Void
Remarks: ERG 132

ADR
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

IMDG
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation": UN 2924 FLAMMABLE LIQUIDS, CORROSIVE, N.O.S.
(METHANOL, ACETIC ACID, GLACIAL), 3 (8), III

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)

Section 302/304 (40CFR355.30 / 40CFR355.40):
None of the ingredients is listed.

Section 313 (40CFR372.65):
67-56-1 - methanol

TSCA (Toxic Substances Control Act):
All ingredients are listed.

California Proposition 65:
Developmental Toxicity
67-56-1 - methanol

Carcinogenic categories
EPA (Environmental Protection Agency)
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.

MAK (German Maximum Workplace Concentration)
None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

National regulations
Technical instructions (air):

Class	Share in %
I	20-35
II	10-20

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.

SECTION 16: Other Information

Disclaimer:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not represent any guarantee of the properties of the product. Cepham Life Sciences Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.