



SAFETY DATA SHEET



Issuing Date 19-Aug-2010

Revision Date

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Code(s) 500 tests: 415182F, 1500 tests: 415184F
Product Name  -Histofine®Simple Stain AEC Solution

Recommended Use For In Vitro Diagnostics Use

Importer

Company

Nichirei Biosciences Inc.
6-19-20, Tsukiji
Chuo-ku
Tokyo, 104-8402, Japan
TEL: +81-3-3248-2207

For further information, please contact

E-mail Address

Emergency Telephone Number +81-3-3248-2207

2. HAZARDS IDENTIFICATION

DSD/DPD

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC

Classification

Hazard Symbols

Not dangerous

Most Important Hazards

No information available.

GHS/CLP

GHS - Classification

Not Hazardous

GHS Label elements, including precautionary statements

Physical Hazards

None

Precautionary Statements**Prevention**

- None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Dimethyl sulfoxide	-	67-68-5	1.5-2.5	Xn;R22 Xi;R36/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Ingestion	Clean mouth with water and afterwards drink plenty of water.
Inhalation	Move to fresh air.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None in particular.

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Other Information	See Section 12 for additional information.

7. HANDLING AND STORAGE

Handling Ensure adequate ventilation. Prevent contact with skin, eyes and clothing. Wear personal protective equipment.

Storage Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Dimethyl sulfoxide 67-68-5					MAK: 160 mg/m ³ MAK: 50 ppm Ceiling / Peak: 100 ppm Ceiling / Peak: 320 mg/m ³ Skin

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Dimethyl sulfoxide 67-68-5			Skin MAC: 50 ppm MAC; 150 mg/m ³ MAC	TWA: 50 ppm Skin	TWA: 160 mg/m ³ TWA: 50 ppm

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Dimethyl sulfoxide 67-68-5	Skin MAK: 50 ppm MAK; 160 mg/m ³ MAK	Skin MAK: 50 ppm MAK; 160 mg/m ³ MAK			

Occupational Exposure Controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye Protection

Safety glasses with side-shields.

Hand Protection

Protective gloves.

Skin and Body Protection

Long sleeved clothing.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State	Liquid	Appearance	Colorless
Odor	Acetic		

Important health safety and environmental information

Flash Point	No information available.	Boiling Point/Range	No information available.
pH	5.2	Autoignition Temperature	No information available.
Vapor Pressure	No information available	VOC Content (%)	No information available
Viscosity	No information available	Specific Gravity	No information available
Evaporation Rate	No information available	Vapor Density	No information available.

Flammability Limits in Air No information available.

Other information

Melting Point/Range No information available.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and sparks.
Materials to Avoid	None in particular.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	No known hazard by inhalation
Eye Contact	No known effect.
Skin Contact	Causes mild skin irritation
Ingestion	No known effect.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethyl sulfoxide	14500 mg/kg (Rat)	40 g/kg (Rat)	

Chronic Toxicity

Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.
Target Organ Effects	None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethyl sulfoxide	EC50: 12350 - 25500 mg/L Skeletonema costatum 96 h	LC50: 34 mg/L Pimephales promelas 96 h LC50: 33-37 g/L Oncorhynchus mykiss 96 h static LC50: >40 g/L Lepomis macrochirus 96 h static LC50: 41.7 g/L Cyprinus carpio 96 h	EC50 = 16000 mg/L 16 h EC50 = 32 g/L 24 h EC50 = 77 mg/L 5 min	EC50: 7000 mg/L Daphnia species 24 h

Persistence and Degradability	No information available.
Bioaccumulative Potential	No information available
Mobility	No information available

Chemical Name	Log Pow
Dimethyl sulfoxide	-2.03

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products	Dispose of in accordance with local regulations.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated

15. REGULATORY INFORMATION**DSD/DPD**

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC

Labeling**EU Labeling**

Safety data sheet available for professional user on request

Symbol(s) Not dangerous

R-phrase(s)

No information available.

S-phrase(s)

No information available.

GHS/CLP

Signal Word Not Hazardous

International Inventories

All of the components in the product are on the following Inventory lists: U.S.A. (TSCA), Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Korea (ECL), Philippines (PICCS).

TSCA Complies
EINECS/ELINCS Complies

DSL/NDSL	Complies
PICCS	Complies
ENCS	Does not comply
IECSC	Does not comply
AICS	Does not comply
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

RESTRICTIONS - REACH TITLE VIII No information available.

16. OTHER INFORMATION

Full text of R-phrases referred to under Sections 2 and 3

No information available

Issuing Date 08-Sep-2010

Revision Date

Revision Note Not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet