
SAFETY DATA SHEET

Date Created 20200323

Date Updated 20200323

Version 02020323

Section 1-Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance or mixture

Product code : L00668

Product name : eStain L1 Concentrated Cleaning Kit

1.2 Company/undertaking identification

GenScript Technologies :

1.3 24 hour Emergency Response:

Emergency Phone #: 1-732-885-9188

Telephone : 1-877-436-7274

Fax : 1-732-210-0262

E-mail address : product@genscript.comWeb : <http://www.genscript.com>

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

Section 2- Hazards identification

2.1 GHS - Classification

Signal Word

Danger

Health hazards

Not classified

Physical hazards

Flammable liquids

Hazard Statements

Highly flammable liquid and vapour.

Causes serious eye irritation.

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.

Wash skin thoroughly after handling.

Wear protective gloves/ eye protection/ face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/ attention.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Store in a well-ventilated place. Keep cool.

Dispose of contents/ container to an approved waste disposal plant.2.2 Principle Routes of Exposure Potential

Health Effects

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Eyes

May causes serious eye irritation.

Skin

Absorption may be harmful through the skin. May cause skin irritation.

Inhalation

May be harmful by inhalation.

Ingestion

May be harmful.

2.3 Specific effects**Carcinogenic effects**

None.

Mutagenic effects

None.

Reproductive toxicity

None.

Sensitization

none

Target Organ Effects

No known effects under normal use conditions.

2.4 HMIS

Health	2
Flammability	3
Reactivity	0

Section 3- Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
Ethanol	64-17-5	200-578-6	25-45%
DMF	68-12-2	200-679-5	25-45%
lactic acid	50-21-5	200-018-0	10-30%

Section 4- First aid measures**4.1 Skin contact**

Rinse cautiously with water for several minutes. Immediate medical attention is not required.

4.2 Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

4.3 Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

4.4 Inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

4.4 Notes to Physician

Treat symptomatically.

Section 5- Firefighting measures**5.1 Suitable extinguishing media**

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

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5.2 Special protective equipment for firefighters

Standard procedure for chemical fires.

Section 6- Accidental release measures

6.1 Personal precautions

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

6.2 Methods for cleaning up

Soak up with inert absorbent material.

6.3 Environmental precautions

No special environmental precautions required.

See Section 12 for more information.

Section 7- Handling and storage

7.1 Handling

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

7.2 Storage

Keep in a dry, cool and well-ventilated place.

Section 8- Exposure controls/personal protection

8.1 Engineering measures

Ensure adequate ventilation, especially in confined areas.

8.2 Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Impervious gloves.

Eye protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

8.3 Environmental exposure controls

No special environmental precautions required.

Section 9- Physical and chemical properties

9.1 General information

Form

Liquid

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Appearance	Colorless
Odor	Pungent
Odor Threshold	No data available
Boiling point / boiling range	°C No data available °F No data available
Melting point / melting range	°C No data available °F No data available
flash point:	°C No data available °F No data available
Autoignition Temperature	°C No data available °F No data available
Oxidizing properties	No data available
Water solubility	completely miscible with water

SECTION 10: Stability and reactivity

10.1 Stability

Stable under normal conditions.

10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

10.3 Hazardous decomposition

None under normal use conditions.

10.4 Products polymerization

Hazardous polymerization does not occur.

Section 11-Toxicological information

11.1 Acute Toxicity

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Ethanol	10,470 mg/kg (Rat)	15,800 mg/kg (Rabbit)	4 h - 30,000 mg/l (Rat)
DMF	3.010 mg/kg (Rat)	1.500mg/kg (Rabbit)	No data available
Lactic acid	3,543 mg/kg (Rat)	- > 2,000 mg/kg	4 h - > 7.94 mg/l

No toxicology information is available.

11.2 Principle Routes of Exposure Potential Health Effects

eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.

Sensitization

None.

Section 12- Ecological information**12.1 Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

12.2 Mobility

No information available.

12.3 Biodegradation

Inherently biodegradable.

12.4 Bioaccumulation

Material does not bioaccumulate.

Section 13- Disposal considerations

Dispose of contents/containers in accordance with local regulations.

Section 14- Transport information**14.1 IATA****Proper Shipping Name**

eStain L1 Concentrated Cleaning Kit

No data available

Section 15- Regulatory information**15.1 US Federal Regulations****SARA 313**

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

15.2 WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Section 16- Other information**16.1 Reason for revision**

SDS sections updated.

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

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

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