



1. Identification of the substance/preparation and company/undertaking

Product Name: SL Solution
Product code: 095CE.A, 097CE.A, 098CE.A, 099CE.A
Producer/supplier: COPAN ITALIA SPA
Address: 25125 Brescia -Italy- Via Perotti,10
Emergency Phone number: Tel. ++ 39 0302687211
E-mail Address of person responsible for this SDS: info@copanitalia.com

2. Hazards identification

Hazardous ingredients: Threo-1,4-Dimercapto-2,3 butandiol (DTT) Phosphate buffer solution	Classification : Xn, R22-R36/37/38 None	Human Health hazard : Harmful if swallowed, Irritant for the eyes Environmental hazard: Material has very low aquatic Toxicity
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This mixture is not considered harmful because the concentrations of harmful components are below 1% in weight limit established by EU Directive 1999/45/CE

3. Composition/ Information on ingredients

Ingredient name	CAS no.	% in weight	EC no.
DTT (dithiothreitol)	3483-12-3	0.1 to 0.2	222-468-7
PBS (Phosphate buffer solution)	-----	0.1 to 0.2	-----
Water (H ₂ O)	7732-18-5	98.0 to 99.0	-----



4. First-aid measures

Skin contact:	Remove contaminated clothing and shoes. Flush affected area with amounts of water and soap.
Eye contact:	Immediately flush opened eye for 15 minutes with running water. Then get immediately medical aid.
Inhalation:	Put patient to fresh air. If breathing becomes difficult, get immediate medical aid
Swallowing:	If swallowed, wash out mouth with water provided person is conscious Immediately call a doctor.

5. Fire-fighting measures

Extinguishing media:	CO2, extinguishing powder or water spray. Fight larger fires with water spray/fog or alcohol resistant foam
Protective equipment:	Wear self-contained respiratory protective device Wear fully protective suit

6. Accidental release measures

Precautions:	Wear protective equipment. Keep unprotected persons away
Exposure Control	Prevent runoff from entering waterways. Ventilate Area. Mark Area and warn all personnel

7. Handling and storage

Handling:	Avoid skin/eye contact. Avoid inhalation of vapour. Ensure adequate ventilation. Keep out of the reach of children.
Storage:	Store away from oxidizing agents, excessive heat and sources of ignition. Store at 5°C – 25°C without sample

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8. Exposure controls/personal protection

Respiratory protection:	Respiratory protection not required
Hand protection:	Latex/polythene or rubber gloves
Eye protection:	Wear suitable eye protection
Skin protection:	Protective work clothing (lab coat)

9. Physical and chemical properties

Appearance	Liquid Transparent
Odour:	Characteristic
Physical State:	Liquid
pH:	7.0 ± 0.5
Boiling point/range, °C:	Not Determined
Viscosity (cP):	Not Determined
Flammability:	Not Determined
Flash point, °C & method:	Not Determined
Combustibility (ASTM D 4206):	Not Determined
Combustibility ADR (Test L.2):	Not Determined
Autoignition Temperature, °C:	Not Determined
Vapour pressure (mmHg):	Not Determined
Specific gravity (water=1):	Not Determined
Solubility:	Not Determined
Evaporation rate (BuAc=1):	Not Determined

10. Stability and reactivity

Materials and conditions to avoid: Hazardous decomposition products:	No decomposition if used according to specifications No dangerous decomposition products known
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11. Toxicological information

Skin contact:	May cause dermatitis
Eye contact:	May cause transient irritation
Ingestion:	May be harmful if swallowed
Inhalation:	May be irritating to mucous membranes and upper respiratory tract.
Chronic Effects:	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

12. Ecological information

Ecology:	No data yet available
General Notes:	No data yet available

13. Disposal considerations

Recommendation:	Dispose of in accordance with local regulations
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14. Transport information

IMDG:	Non-hazardous for sea transport
RID/ADR:	Non-hazardous for road transport
IATA:	Non-hazardous for air transport

15. Regulatory information

Label symbol:	No symbol
Risk & Safety:	R 22, R36/37/38 Irritating to eyes, respiratory system and skin S26, S 36
Other regulations:	Health & Safety at work etc. Act 1974 Control of substances Hazardous to Health Regulations 1994 Environmental Protection Act 1990



16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither Copan Italia or any of its subsidiaries assumes any liabilities 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.

Contact: *Technical Service Representative*

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