Hazard Overview

Version 8.6
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SECTION 1. IDENTIFICATION

1.1 Product identifiers

Product name : Polysulfide in light mineral oil, ASTM D4294, Calibration Set A

Product Number : D4294LMPSA
Brand : Supelco

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

Restrictions on use : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
SPRUCE ST 3050
63103 St. Louis

Telephone :(314) 771-5765
Telefax: (800) 325-5052

1.4 Emergency telephone number

Emergency Phone # : 800 424 9300 (CHEMTREC) 24/7
+1 703 527 3887 (CHEMTREC) 24/7

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

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SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards for the product as supplied

Not a hazardous substance or mixture.

Other hazards

None known.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Please refer to component Safety Data Sheet and/or to Section 16 Kit components

SECTION 4. FIRST AID MEASURES

Refer to component SDS

SECTION 5. FIREFIGHTING MEASURES

Refer to component SDS

SECTION 6. ACCIDENTAL RELEASE MEASURES

Refer to component SDS

SECTION 7. HANDLING AND STORAGE

For precautions see section 2 GHS label elements

Further information on storage conditions	:	Tightly closed.
Storage class	:	10, Combustible liquids
Recommended storage temperature	:	Recommended storage temperature see product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to component SDS

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component SDS

SECTION 10. STABILITY AND REACTIVITY

Refer to component SDS

SECTION 11. TOXICOLOGICAL INFORMATION

Refer to component SDS

SECTION 12. ECOLOGICAL INFORMATION

Refer to component SDS

SECTION 13. DISPOSAL CONSIDERATIONS

Refer to component SDS

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to IMO instruments
Not applicable for product as supplied.

National Regulations

49 CFR
Not regulated as a dangerous good
Poison Inhalation Hazard : No

Special precautions for user

Remarks	:	Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

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SECTION 16. OTHER INFORMATION

Kit Components:

Polysulfide in light mineral oil, Blank. 100mL	Supelco	LMPSBLK
Polysulfide in light mineral oil, 0.0005 % (5ppm), 100ml	Supelco	LMPS010
Polysulfide in light mineral oil, 0.0010 % (10ppm), 100mL	Supelco	LMPS020
Polysulfide in light mineral oil, 0.0100 % (100ppm), 100mL	Supelco	LMPS050
Polysulfide in light mineral oil, 0.0250 % (250ppm), 100ml	Supelco	LMPS060
Polysulfide in light mineral oil, 0.0500 % (500ppm), 100mL	Supelco	LMPS080
Polysulfide in light mineral oil, 0.0750 % (750ppm), 100mL	Supelco	LMPS100
Polysulfide in light mineral oil, 0.1000 % (1000ppm), 100mL	Supelco	LMPS110

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); LSPN - List of Hazardous Notified Substances (Chile); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire

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Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.
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Revision Date : 08/11/2026

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US / EN

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Kit Components:

Polysulfide in light mineral oil, Blank. 100mL					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Supelco - LMPSBLK					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Polysulfide in light mineral oil, 0.0005 % (5ppm), 100ml					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Supelco - LMPS010					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Polysulfide in light mineral oil, 0.0010 % (10ppm), 100mL					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Supelco - LMPS020					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Polysulfide in light mineral oil, 0.0100 % (100ppm), 100mL					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Supelco - LMPS050					No hazard pictogram, no signal word, no hazard statement(s), no precautionary

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					statement(s) required.

Polysulfide in light mineral oil, 0.0250 % (250ppm), 100ml					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Supelco - LMPS060					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Polysulfide in light mineral oil, 0.0500 % (500ppm), 100mL					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Supelco - LMPS080					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Polysulfide in light mineral oil, 0.0750 % (750ppm), 100mL					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Supelco - LMPS100					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Polysulfide in light mineral oil, 0.1000 % (1000ppm), 100mL					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Supelco - LMPS110					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

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