

SAFETY DATA SHEET

Gram's crystal violet solution

Version 1 · issued 17 September 2026

1. IDENTIFICATION**Product Identifiers**

Product Name Gram's crystal violet solution
Product Number(s) 94448, 94448-2.5L-F, 94448-250ML-F, CMZ94448A, CMZ94448B
CAS Number Not Assigned

Recommended use of the chemical and restriction on use

For R&D use only. Not for pharmaceutical, household or other uses. Main use is in Gram Stain for bacteria

Company Details

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2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Flammable liquids: Category 3
Serious eye damage/eye irritation: Category 2A
Carcinogenicity: Category 2
Short-term (acute) aquatic hazard: Category 3
Long-term (chronic) aquatic hazard: Category 3

Label Elements**Flammable • Harmful / irritant • Health hazard**

Signal Words Warning
Hazard Statement(s) H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)**Prevention:**

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P240 Ground and bond container and receiving equipment.
 P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
 P242 Use non-sparking tools.
 P243 Take action to prevent static discharges.
 P264 Wash skin thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Primary route(s) of entry

Skin/eye contact and inhalation of mist/aerosol; ingestion is also possible through poor hygiene.

Human Health**Inhalation**

Vapour or aerosol/mist may irritate the respiratory tract. Avoid breathing vapour or aerosols and ensure adequate ventilation.

Ingestion

Harmful if swallowed; may cause irritation of the mouth, throat and gastrointestinal tract. Do not eat or drink while handling.

Eyes

May cause eye irritation and discomfort following contact. Avoid splashes; wear safety glasses.

Skin

May cause skin irritation following contact. Avoid direct contact and wear suitable protective gloves.

Environment

Harmful to aquatic life with long-lasting effects. Prevent release to drains, waterways or the environment.

Other Hazards

Flammable liquid and vapour. Keep away from heat, sparks and open flames. The product is also classified as suspected of causing cancer and suspected of damaging fertility or the unborn child under applicable classifications.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No.	Content (w/w)	Classification
ethanol	64-17-5	>= 10 - <=30% w/w	
Crystal violet	548-62-9	>= 1 -< 3% w/w	
Oxalic acid, ammonium salt monohydrate	6009-70-7	< 10% w/w	

4. FIRST AID MEASURES**Ingestion**

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Inhalation

After inhalation: fresh air. Call in physician.

Skin Contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

Eye Contact	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
Other Information	General advice: Show this safety data sheet to the doctor in attendance. Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2 GHS label elements) and/or in section 11 Protection of first-aiders: For personal protection see section 8. Notes to physician: No data available

5. FIREFIGHTING MEASURES

Suitable extinguishing equipment

Fire	Suitable extinguishing media: Water Foam Carbon dioxide (CO ₂) Dry powder Unsuitable extinguishing media: For this substance/mixture no limitations of extinguishing agents are given.
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Special protective equipment and precautions for fire fighters

Specific hazards during fire fighting:
Mixture with combustible ingredients.
Vapours are heavier than air and may spread along floors.
Forms explosive mixtures with air at elevated temperatures.
Development of hazardous combustion gases or vapours possible in the event of fire.
Hazardous combustion products:
Carbon oxides
Nitrogen oxides (NO_x)
Hydrogen chloride gas
Specific extinguishing methods:
Remove container from danger zone and cool with water.
Suppress (knock down) gases/vapours/mists with a water spray jet.
Prevent fire extinguishing water from contaminating surface water or the ground water system.
Special protective equipment for fire-fighters: Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Do not breathe vapours, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Wear appropriate personal protective equipment, as indicated in Section 8.
Environmental precautions	Do not let product enter drains. Risk of explosion.
Methods and materials for containment and clean up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemisorb®). Dispose of properly. Clean up affected area.

7. HANDLING AND STORAGE

Precautions for safe handling	For precautions see section 2 GHS label elements Advice on protection against fire and explosion: Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Advice on safe handling: Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols. Hygiene measures: Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
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Conditions for safe storage

Further information on storage conditions: Keep container tightly closed in a dry and well-ventilated place.
 Keep away from heat and sources of ignition.
 Storage class: 3, Flammable liquids
 Recommended storage temperature: Recommended storage temperature if relevant, see product label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Standards**

Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
ethanol	1,000 ppm	1,880 mg/m ³	1,000 ppm	

Engineering controls

No data available

Personal protective equipment**Eye and face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
 Safety glasses

Skin protection

Hand protection
 Material: Nitrile rubber
 Break through time: 10 min
 Glove thickness: 0.11 mm
 Protective index: Splash contact
 Manufacturer: KCL 741 Dermatrill® L
 Material: Butyl gloves
 Break through time: 480 min
 Glove thickness: 0.7 mm
 Protective index: Full contact
 Manufacturer: KCL 898 Butoject®

Remarks: This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Body protection

Flame retardant antistatic protective clothing.

Respiratory protection

required when vapours/aerosols are generated.
 Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
 Recommended Filter type: Filter type ABEK
 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

9. PHYSICAL AND CHEMICAL PROPERTIES**General information****Appearance**

Purple to dark violet, Liquid

Odour

No data available

pH

No data available

Vapour Pressure

No data available

Density

0.981 g/cm³

Boiling Point

No data available

Melting Point

No data available

Solubility

Water solubility: soluble (20 °C)

Specific Gravity of Density

No data available

Flash Point

34 °C

Flammable (Explosive) Limits

No data available

Ignition Temperature

No data available

Formula

No data available

10. STABILITY AND REACTIVITY

Reactivity	Vapour/air-mixtures are explosive at intense warming.
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Violent reactions possible with: The generally known reaction partners of water.
Conditions to avoid	Heating.
Incompatible materials	Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

Acute effects	Mixture Acute toxicity Oral: No data available Acute toxicity estimate Oral - > 2,000 mg/kg (Calculation method) Symptoms: Possible symptoms: mucosal irritations Dermal: No data available
Eye contact	Serious eye damage/eye irritation Remarks: Mixture causes serious eye irritation.
Chronic effects	Carcinogenicity Evidence of a carcinogenic effect. Germ cell mutagenicity: No data available Reproductive toxicity: No data available Specific target organ toxicity - single exposure: No data available Specific target organ toxicity - repeated exposure: No data available Aspiration hazard: No data available
Toxicity and irritation	Additional Information (mixture) To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Other dangerous properties can not be excluded. This substance should be handled with particular care. Handle in accordance with good industrial hygiene and safety practice. Components ethanol Acute toxicity: LD50 Oral - Rat - male and female - 10,470 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - male and female - 4 h - 124.7 mg/l - vapour (OECD Test Guideline 403) Dermal: No data available Skin corrosion/irritation: Skin - Rabbit; Result: No skin irritation - 24 h (OECD Test Guideline 404) Serious eye damage/eye irritation: Eyes - Rabbit; Result: Causes serious eye irritation. (OECD Test Guideline 405) Respiratory or skin sensitization: Maximisation Test - Guinea pig; Result: negative (OECD Test Guideline 406); Remarks: (in analogy to similar products); The value is given in analogy to the following substances: Methanol Germ cell mutagenicity: Test Type: Ames test; Test system: Salmonella typhimurium; Result: negative. Test Type: In vitro mammalian cell gene mutation test; Test system: mouse lymphoma cells; Result: negative. Method: OECD Test Guideline 478; Species: Mouse - male; Result: Positive results were obtained in some in vivo tests. Carcinogenicity: No data available Reproductive toxicity: No data available Specific target organ toxicity - single exposure: No data available Aspiration hazard: No data available Crystal violet Acute toxicity: LD50 Oral - Rat - 420 mg/kg; Remarks: (RTECS) Inhalation: No data available Dermal: No data available Skin corrosion/irritation: Skin - Rabbit; Result: No skin irritation - 24 h; Remarks: (ECHA) Serious eye damage/eye irritation: Eyes - Rabbit; Result: Causes serious eye damage.;

Remarks: (HSDB); Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: Test Type: In vitro mammalian cell gene mutation test; Test system: Chinese hamster ovary cells; Result: negative; Remarks: (ECHA). Test Type: Ames test; Test system: Salmonella typhimurium; Result: negative; Remarks: (National Toxicology Program)

Carcinogenicity: Suspected of causing cancer.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Aspiration hazard: No data available

Oxalic acid, ammonium salt monohydrate

Acute toxicity: LD50 Oral - Rat - female - 375 mg/kg; Remarks: (in analogy to similar compounds) (ECHA); The value is given in analogy to the following substances: Oxalic acid

Inhalation: No data available

LD50 Dermal - Rat - female - > 2,000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation: Skin - in vitro assay; Result: No skin irritation (OECD Test Guideline 439)

Serious eye damage/eye irritation: Eyes - Human; Result: Eye irritation - 6 h (OECD Test Guideline 492)

Respiratory or skin sensitization: Local lymph node assay (LLNA) - Mouse; Result: negative (OECD Test Guideline 429)

Germ cell mutagenicity: Test Type: Ames test; Test system: S. typhimurium; Result: negative; Remarks: (anhydrous substance); The value is given in analogy to the following substances: Oxalic acid. Test Type: In vitro mammalian cell gene mutation test; Test system: Chinese hamster lung cells; Result: negative; Remarks: (anhydrous substance); The value is given in analogy to the following substances: Oxalic acid. Test Type: Mutagenicity (mammal cell test): chromosome aberration.; Test system: Chinese hamster lung cells; Result: negative; Remarks: (anhydrous substance); The value is given in analogy to the following substances: Oxalic acid

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

ethanol:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 15,300 mg/l

End point: mortality

Exposure time: 96 h

Test Type: flow-through test

Analytical monitoring: yes

Method: US-EPA

Toxicity to daphnia and other aquatic invertebrates: LC50 (Ceriodaphnia dubia (water flea)): 5,012 mg/l

End point: mortality

Exposure time: 48 h

Test Type: static test

Remarks: (ECHA)

Toxicity to algae/aquatic plants: ErC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l

Exposure time: 72 h

Test Type: static test

Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity): NOEC (Danio rerio (zebra fish)): 250 mg/l

Exposure time: 120 h

Test Type: semi-static test

Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Daphnia magna (Water flea)): 9.6 mg/l

End point: reproduction rate
Exposure time: 9 d
Test Type: semi-static test
Remarks: (ECHA)
Toxicity to microorganisms: IC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 209
The value is given in analogy to the following substances: Methanol
Crystal violet:
Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 0.13 mg/l
Exposure time: 96 h
Remarks: The value / statement given is based on a (Q)SAR approach
Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 0.24 - < 0.5 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes
Toxicity to algae/aquatic plants: ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0.2 - < 0.8 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes
M-Factor (Acute aquatic toxicity): 1
M-Factor (Chronic aquatic toxicity): 1
Toxicity to microorganisms: EC50 (Bacteria): 10 - 100 mg/l
Remarks: (External MSDS)
Ecotoxicology Assessment
Acute aquatic toxicity: Very toxic to aquatic life.
Chronic aquatic toxicity: Very toxic to aquatic life with long lasting effects.
Oxalic acid, ammonium salt monohydrate:
Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 33 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes
Remarks: (anhydrous substance)
The value is given in analogy to the following substances: Oxalic acid
Toxicity to algae/aquatic plants: ErC50 (Pseudokirchneriella subcapitata (green algae)): > 78 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Remarks: (anhydrous substance)
The value is given in analogy to the following substances: Oxalic acid

Persistence and degradability

Components:
 ethanol:
 Biodegradability: aerobic
 Inoculum: activated sludge, non-adapted
 Result: Readily biodegradable.
 Biodegradation: ca. 95 %
 Exposure time: 15 d
 Method: OECD Test Guideline 301E
 Biochemical Oxygen Demand (BOD): 930 - 1,670 mg/g
 Incubation time: 5 d
 Remarks: (Lit.)
 ThOD: 2,100 mg/g
 Remarks: (Lit.)
 Crystal violet:
 Biodegradability: aerobic
 Inoculum: activated sludge
 Result: Not readily biodegradable.
 Biodegradation: 3.6 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301F
 BOD/ThOD: 0.12 %
 Oxalic acid, ammonium salt monohydrate:
 Biodegradability: aerobic
 Inoculum: activated sludge
 Concentration: 10 mg/l
 Result: Readily biodegradable.
 Biodegradation: 89 %
 Exposure time: 20 d
 Remarks: (in analogy to similar compounds)
 (ECHA)
 The value is given in analogy to the following substances: Oxalic acid

Bioaccumulative potential

Components:
 ethanol:
 Bioaccumulation: Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
 Partition coefficient: n-octanol/water: log Pow: -0.35 (24 °C)
 pH: 7.4
 Method: OECD Test Guideline 107
 Remarks: Bioaccumulation is not expected.
 Crystal violet:
 Partition coefficient: n-octanol/water: log Pow: 1.172 (25 °C)
 Method: OECD Test Guideline 107
 Remarks: Bioaccumulation is not expected.
 Oxalic acid, ammonium salt monohydrate:
 Partition coefficient: n-octanol/water: log Pow: < -4.8 (20 °C)
 Method: OECD Test Guideline 107
 Remarks: Bioaccumulation is not expected.

Other adverse effects

Mobility in soil
 No data available
 Other adverse effects
 Components:
 ethanol:
 Results of PBT and vPvB assessment: Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.
 Oxalic acid, ammonium salt monohydrate:
 Additional ecological information: Discharge into the environment must be avoided.
 Endocrine disrupting properties
 No data available

13. DISPOSAL CONSIDERATIONS

General information

Waste from residues: Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. TRANSPORT INFORMATION

ADG label required	•2Y
HAZCHEM	•2Y
UN Number	UN 1170
Proper shipping name	ETHANOL SOLUTION
Transport hazard class	3 - Flammable Liquid
Packing group	III
Environmental hazard	Environmentally hazardous: no
Special precautions for users	The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.
Additional information	ADG (National Regulations) Labels: 3 Hazchem Code: •2Y International Regulations IATA-DGR UN/ID No.: UN 1170 Proper shipping name: Ethanol solution Class: 3 Packing group: III Labels: Class 3 - Flammable liquids Packing instruction (cargo aircraft): 366 Packing instruction (passenger aircraft): 355 IMDG-Code UN number: UN 1170 Proper shipping name: ETHANOL SOLUTION Class: 3 Packing group: III Labels: 3 EmS Code: F-E, S-D Marine pollutant: no Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

15. REGULATORY INFORMATION

Poisons Schedule Number	Therapeutic Goods (Poisons Standard) Instrument: No poison schedule number allocated (Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical)
Other Information	Safety, health and environmental regulations/legislation specific for the substance or mixture Prohibition/Licensing Requirements: There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations. Australia. Customs (Prohibited Imports) Regulations (CWC Schedule 1): Neither banned nor restricted Australia. Customs (Prohibited Imports) Regulations (CWC Schedule 2): Neither banned nor restricted Australia. Customs (Prohibited Imports) Regulations (CWC Schedule 3): Neither banned nor restricted Australia. Code of Practice for Supply Diversion into Illicit Drug Manufacture: ethanol Listed National Code of Practice for Chemicals of Security Concern: Not listed

16. OTHER INFORMATION

SDS preparation date	17 September 2026
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Comments

Relevant changes since previous version

8. Exposure controls/personal protection

Further information

Revision Date: 09.09.2026

Other information: 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.

Date format: dd.mm.yyyy

References

Full text of other abbreviations

ACGIH: USA. ACGIH Threshold Limit Values (TLV)

AU OEL: Australia. Workplace Exposure Standards for Airborne Contaminants.

ACGIH / STEL: Short-term exposure limit

AU OEL / TWA: Exposure standard - time weighted average

AIIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

AU / EN

Sigma-Aldrich SDS "Gram's crystal violet solution". 09/09/2026

This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this SDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

... End of SDS ...