

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1 Revision Date: 06/02/2025 SDS Number: 30-19-400000196692 Date of last issue: 01/08/2025
Date of first issue: 01/08/2025

SECTION 1. IDENTIFICATION

Product name : REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Formula Center Reference : 1400509RK12

Other means of identification : No data available

Manufacturer or supplier's details

Address : L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent H4T 1K5
Canada

Telephone : 1-732-499-2745

E-mail address : CORPREGAFFAIRSMSDS@LOREAL.COM

Emergency telephone

National Poisons Control Center : CANUTEC : 1-613-996-6666 (Canutec (*666 Cellular)) (This telephone number is available during office hours only.)

Recommended use of the chemical and restrictions on use

Recommended use : Personal care product used for cosmetic effect.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Flammable liquids : Category 3

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.

Precautionary Statements : P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1 Revision Date: 06/02/2025 SDS Number: 30-19-400000196692 Date of last issue: 01/08/2025
Date of first issue: 01/08/2025

Prevention:

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.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
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.

Disposal:

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

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 3 %

The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 3 %

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 3 %

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
ALCOHOL	ethanol	64-17-5	$\geq 5 - < 10$ *
CAFFEINE	caffeine	58-08-2	$\geq 1 - < 3$ *
PROPYLENE GLYCOL	propane-1,2-diol	57-55-6	$\geq 1 - < 3$ *

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1	Revision Date: 06/02/2025	SDS Number: 30-19- 400000196692	Date of last issue: 01/08/2025 Date of first issue: 01/08/2025
----------------	------------------------------	---------------------------------------	---

If inhaled	:	Move to fresh air. Call a physician if symptoms develop or persist.
In case of skin contact	:	Get medical attention if irritation develops and persists.
In case of eye contact	:	Rinse with water. If eye irritation persists, consult a specialist.
If swallowed	:	Rinse mouth with water. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	None known.
Notes to physician	:	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known.
Further information	:	For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
---	---	--

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1 Revision Date: 06/02/2025 SDS Number: 30-19-400000196692 Date of last issue: 01/08/2025
Date of first issue: 01/08/2025

- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
-

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : For personal protection see section 8. Provide sufficient air exchange and/or exhaust in work rooms. Container may be opened only under exhaust ventilation hood. Open drum carefully as content may be under pressure.
- Conditions for safe storage : No smoking. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions.
- Further information on storage stability : No decomposition if stored and applied as directed.
-

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ALCOHOL	64-17-5	TWA	1,000 ppm 1,880 mg/m ³	CA AB OEL
		STEL	1,000 ppm	CA BC OEL
		STEV	1,000 ppm	CA QC OEL
		STEL	1,000 ppm	ACGIH
PROPYLENE GLYCOL	57-55-6	TWA (Vapour and aerosols)	50 ppm 155 mg/m ³	CA ON OEL
		TWA (aerosol)	10 mg/m ³	CA ON OEL

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1 Revision Date: 06/02/2025 SDS Number: 30-19-400000196692 Date of last issue: 01/08/2025
Date of first issue: 01/08/2025

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

 Remarks : Applicable for industrial settings only. Nitrile rubber

Eye protection : Applicable for industrial settings only.
Safety glasses

Skin and body protection : Applicable for industrial settings only.
Work uniform or laboratory coat.

Hygiene measures : Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

Form : gel

Color : yellow

Odor : characteristic

pH : 5.5 - 6.1

Melting point/freezing point : No data available

Boiling point/boiling range : Not available

Flash point : 56.0 °C
Method: ISO 3679

Fire Point : > 100 °C
Method:ISO 2592

Flammability (liquids) : Not classified as supporting combustion according to the transport regulations.

Upper explosion limit / Upper flammability limit : 19 %(V)
(for a component of this mixture)

Lower explosion limit / Lower

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1	Revision Date: 06/02/2025	SDS Number: 30-19- 400000196692	Date of last issue: 01/08/2025 Date of first issue: 01/08/2025
----------------	------------------------------	---------------------------------------	---

flammability limit	(for a component of this mixture)
Vapor pressure	: 59.5 hPa (20 °C) (for a component of this mixture)
Relative vapor density	: No data available
Relative density	: 0.977 - 0.983 (20 °C)
Solubility(ies) Water solubility	: soluble
Partition coefficient: n- octanol/water	: Not applicable
Autoignition temperature	: 365 °C (for a component of this mixture)
Decomposition temperature	: Not applicable
Viscosity Viscosity, kinematic	: No data available
Dust explosion class	: Not applicable
Particle characteristics Particle size	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reac- tions	: No decomposition if stored and applied as directed. Vapors may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Not applicable
Hazardous decomposition products	: No hazardous decomposition products are known.

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1 Revision Date: 06/02/2025 SDS Number: 30-19-400000196692 Date of last issue: 01/08/2025
Date of first issue: 01/08/2025

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Components:

ALCOHOL:

Acute oral toxicity : LD50 (Rat, male and female): 10,470 mg/kg
Method: OECD Test Guideline 401
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat, male and female): 124.7 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): 15,800 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on data from similar materials

CAFFEINE:

Acute oral toxicity : LD50 (Rat, male and female): 367.7 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): 4.94 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1 Revision Date: 06/02/2025 SDS Number: 30-19-400000196692 Date of last issue: 01/08/2025
Date of first issue: 01/08/2025

Components:

ALCOHOL:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

CAFFEINE:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Components:

ALCOHOL:

Species : Rabbit
Result : Eye irritation
Method : OECD Test Guideline 405

CAFFEINE:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Components:

ALCOHOL:

Routes of exposure : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.
Remarks : Based on data from similar materials

CAFFEINE:

Routes of exposure : Skin contact
Species : Mouse
Method : OECD Test Guideline 429
Result : Does not cause skin sensitization.

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1 Revision Date: 06/02/2025 SDS Number: 30-19-400000196692 Date of last issue: 01/08/2025
Date of first issue: 01/08/2025

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Components:

ALCOHOL:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Based on available data, the classification criteria are not met.

Components:

ALCOHOL:

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Reproductive toxicity

Based on available data, the classification criteria are not met.

Components:

ALCOHOL:

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Further information

Product:

Remarks : The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version	Revision Date:	SDS Number:	Date of last issue: 01/08/2025
1.1	06/02/2025	30-19- 400000196692	Date of first issue: 01/08/2025

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

ALCOHOL:

- | | | |
|--|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 11,200 mg/l
Exposure time: 24 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Ceriodaphnia dubia (water flea)): 5,012 mg/l
Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201 |
| Toxicity to fish (Chronic toxicity) | : | NOEC (Danio rerio (zebra fish)): 250 mg/l
Exposure time: 5 d
Method: OECD Test Guideline 212 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia magna (Water flea)): 9.6 mg/l
Exposure time: 10 d |

CAFFEINE:

- | | | |
|---|---|--|
| Toxicity to fish | : | NOEC (Leuciscus idus (Golden orfe)): 46 mg/l
Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 182 mg/l
Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201 |

Persistence and degradability

Components:

ALCOHOL:

- | | | |
|------------------|---|---|
| Biodegradability | : | Result: Readily biodegradable.
Biodegradation: 84 %
Exposure time: 20 d |
|------------------|---|---|

CAFFEINE:

- | | | |
|------------------|---|---|
| Biodegradability | : | Result: Readily biodegradable.
Biodegradation: 90 %
Exposure time: 22 d |
|------------------|---|---|

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version 1.1	Revision Date: 06/02/2025	SDS Number: 30-19- 400000196692	Date of last issue: 01/08/2025 Date of first issue: 01/08/2025
----------------	------------------------------	---------------------------------------	---

Method: OECD Test Guideline 301A

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Send to a licensed waste management company.

Contaminated packaging : Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

Domestic regulation

TDG

Not regulated as a dangerous good

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

Remarks : In accordance with international transport regulations products associated with this document have been determined to have a flash point greater than 35°C and fire point greater than 100°C, therefore these materials are exempt from flammable

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version	Revision Date:	SDS Number:	Date of last issue: 01/08/2025
1.1	06/02/2025	30-19- 400000196692	Date of first issue: 01/08/2025

liquid transport regulations.

SECTION 15. REGULATORY INFORMATION

Canadian PBT Chemicals : This product does not contain any components on the DSL that are classified as Persistent, Bioaccumulative and Toxic (PBT) under CEPA.

NPRI Components : ALCOHOL

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL : Canada. British Columbia OEL
CA ON OEL : Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for air-borne contaminants
ACGIH / STEL : Short-term exposure limit
CA AB OEL / TWA : 8-hour Occupational exposure limit
CA BC OEL / STEL : short-term exposure limit
CA ON OEL / TWA : Time-Weighted Average Limit (TWA)
CA QC OEL / STEV : Short-term exposure value

AIIC - 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 Harmonized 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 Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; 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); MARPOL - International Convention for the Prevention of Pollution from Ships; 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 - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumu-

SAFETY DATA SHEET

REDKEN ACIDIC GROW FULL SYSTEM THICKENING SPRAY

Version	Revision Date:	SDS Number:	Date of last issue: 01/08/2025
1.1	06/02/2025	30-19- 400000196692	Date of first issue: 01/08/2025

lative 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

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

Revision Date : 06/02/2025
Date format : mm/dd/yyyy

CA / EN