SAFETY DATA SHEET

JOICO DEFY DAMAGE SULFATE FREE SHAMPOO

Revision: Australian-format working draft **Source manufacturer SDS issue date:** 15 December 2025

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier: Joico Defy Damage Sulfate Free Shampoo

Recommended use: Shampoo

Australian importer and distributor: Sabre Haircare
Suite 3, Building 6, 49 Frenchs Forest Road East, Frenchs Forest NSW 2086, Australia
Telephone: 02 9982 0100

Manufacturer: Henkel Corporation, One Henkel Way, Rocky Hill CT 06067, USA

Emergency telephone: Poisons Information Centre 13 11 26 (Australia). Sabre must confirm any required notification/permission before publishing this number.

2. HAZARDS IDENTIFICATION

Manufacturer-reported US classification (retained at user's request): Serious Eye Damage – Category 1.

Signal word: DANGER

Hazard statement: Causes serious eye damage.

Hazard pictogram: Corrosion (GHS05).

Prevention: Wear eye and face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek urgent medical attention.

Other hazards / unknown toxicity: Manufacturer source states hazards not otherwise classified are not available and 1% of the mixture consists of ingredients of unknown acute toxicity.

Australian classification status: The above is the source SDS's US OSHA classification. It has not been independently verified against Australian WHS/GHS 7 criteria and must not be represented as an approved Australian classification until confirmed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The manufacturer identifies the following ingredients as health hazards. Exact concentrations are reported as ranges; specific identity and/or exact percentage may be withheld as trade secret.

Chemical name	CAS number	Concentration
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	≥5 – <10%
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	≥1 – <5%
Acetic acid, chloro-, sodium salt, reaction products with 4,5-dihydro-2-undecyl-1H-imidazole-1-ethanol and sodium hydroxide	68608-66-2	≥1 – <5%
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	≥1 – <5%
Ethylene glycol monophenyl ether (2-phenoxyethanol)	122-99-6	≥1 – <5%

Actual concentration or concentration range may be withheld as a trade secret, as stated in the manufacturer SDS.

4. FIRST AID MEASURES

Inhalation: First aid measures not required according to the manufacturer source. If irritation occurs from mists/vapours, move to fresh air.

Skin contact: First aid measures not required for normal cosmetic use according to the source. Wash with mild soap and water if irritation occurs.

Eye contact: Rinse eyes cautiously with plenty of water until no product remains. Remove contact lenses if easy to do. Seek urgent medical attention for pain, irritation or suspected eye injury.

Ingestion: Rinse mouth. Give water or milk to drink if conscious. Contact a physician or Poisons Information Centre. Do not induce vomiting unless directed by medical personnel.

Most important symptoms/effects: Eye contact may cause mild to severe irritation with possibility of permanent eye damage. Repeated/prolonged excessive skin exposure may cause irritation or dermatitis. Ingestion may cause mouth, throat and digestive irritation, diarrhoea and vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray or regular foam.

Unsuitable extinguishing media: None known.

Specific hazards: Carbon dioxide, carbon monoxide and nitrogen oxides may be produced.

Protective equipment: Wear full-face positive-pressure self-contained breathing apparatus and protective suit. Avoid breathing vapours; keep upwind and isolate the area.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if safe. Spills present a slipping hazard. Keep unnecessary personnel away and ventilate if possible.

Environmental precautions: For larger quantities, prevent entry to drains and waterways and consult local disposal authorities. The source SDS allows small/household quantities to be disposed of in sewer or liquid waste systems; Australian local requirements must be checked.

Containment and clean-up: Small spills: contain and absorb with sand or other absorbent and place in clean, dry containers. Wash spill site thoroughly with water. Large spills: dike, recover by pumping or absorbent, and place in suitable waste containers.

7. HANDLING AND STORAGE

Safe handling: Avoid eye contact and ingestion. Use with adequate ventilation. Avoid generating aerosols and mists.

Storage: Store in original containers in a cool, dry area. Keep containers tightly closed. Warehouse storage areas for large quantities should be well ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Source exposure limits: The US source lists no ACGIH TLV, OSHA PEL or AIHA WEEL for most listed components; for ethylene glycol monophenyl ether it lists 25 ppm (skin) under “Other”. These are US/source values, not Australian workplace exposure standards.

Australian exposure standards: Must be checked against the current Safe Work Australia Workplace Exposure Standards before issue. Do not use the US 25 ppm value as an Australian limit without verification.

Engineering controls: Provide local exhaust or general dilution ventilation to keep airborne contaminants below applicable exposure limits where mists or vapours may be generated.

Personal protection: Respiratory monitoring where mists/vapours may be generated; splash-proof safety glasses where splashing may occur; protective gloves and clothing where repeated or prolonged skin contact may occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid, light yellow. **Odour:** Characteristic. **pH:** 5.75–6.75. **Solubility in water:** Soluble.

Flash point: Not applicable (as stated in source). **Other properties:** Odour threshold, melting point, boiling point, evaporation rate, flammable limits, vapour pressure/density, partition coefficient, autoignition temperature, decomposition temperature, viscosity and VOC content: not available in source.

10. STABILITY AND REACTIVITY

Reactivity: May react with strong alkalis. **Stability:** Stable under normal ambient temperature (21°C) and pressure (1 atm).

Hazardous reactions: Hazardous polymerisation not reported under normal temperatures and pressures. **Conditions to avoid:** Direct sunlight and extremes of temperature.

Incompatible materials: Strong oxidisers and alkalis. **Hazardous decomposition products:** Thermal decomposition may release toxic and/or hazardous gases, including ammonia.

11. TOXICOLOGICAL INFORMATION

Inhalation: Unlikely due to physical properties; at elevated temperatures, vapours or mists may cause irritation.

Skin contact: No adverse effects anticipated from normal use. Repeated/prolonged excessive exposure may cause irritation or dermatitis.

Eye contact: May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly.

Ingestion: May cause mild gastrointestinal irritation with nausea, vomiting, diarrhoea and abdominal pain.

Component toxicity data reported by manufacturer: Ethylene glycol monophenyl ether: oral LD50 (rat) 1,260 mg/kg; oral LD50 (rat) 13,700 mg/kg; inhalation LC50 (rat, 6 h) >1,000 mg/m³. The source table reports no LD50/LC50 values for the other listed components.

Carcinogenicity: Source states none of the ingredients are listed by IARC, NTP or OSHA. Mutagenicity and reproductive toxicity: source states none of the ingredients are known to cause these effects.

12. ECOLOGICAL INFORMATION

Product aquatic toxicity: Not determined according to the source. Source states product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use.

Persistence/degradability: Source provides biodegradation data for listed ingredients, including 88% inherent biodegradation and 98% ready biodegradation for CAS 68439-57-6; 86% ready biodegradation for CAS 61789-40-0; 79.8% for the chloroacetic acid sodium salt reaction product; 73–88% for alkyl glycosides; and 90% for 2-phenoxyethanol.

Bioaccumulation and mobility: Not determined for the product according to the source.

13. DISPOSAL CONSIDERATIONS

Source information: Manufacturer states product is not a RCRA hazardous waste and recommends disposal in accordance with federal, state and local regulations; uncleaned packages may be placed in trash.

Australian requirements: Dispose of contents and packaging in accordance with applicable Australian Commonwealth, state/territory and local requirements. US RCRA status does not establish Australian waste classification.

14. TRANSPORT INFORMATION

Manufacturer source classification: Not regulated for US DOT ground, ICAO/IATA air and IMO/IMDG sea transport.

Australian ADG Code: Australian transport status must be confirmed against the current ADG Code and the product's actual formulation/packaging before issue. The US non-regulated statement is not, by itself, confirmation of Australian ADG status.

15. REGULATORY INFORMATION

US regulatory information in source: TSCA inventory status and US CERCLA/SARA and California Proposition 65 statements are US-specific and are not Australian regulatory determinations.

Australian regulatory status: Importer must verify applicable Australian WHS hazardous chemical requirements, inventory/industrial chemical obligations, and any relevant state/territory controls before issue. No Australian inventory or regulatory conclusion is asserted in this draft.

16. OTHER INFORMATION

Source manufacturer SDS: Henkel Corporation, Revision 001.2, issue date 15 December 2025; RS Number 647526.

Australian document status: Working draft prepared using manufacturer-supplied information and Sabre Haircare importer details. The manufacturer-reported US hazard classification is reproduced at the user's request and has not been independently confirmed as the Australian GHS 7 classification.

Important: Before issue, Sabre Haircare must verify Australian GHS 7 classification, current exposure standards, ADG transport status, Australian regulatory information, emergency contact arrangements and any trade-secret disclosure requirements. This draft is not a substitute for competent SDS review.

SAFETY DATA SHEET

JOICO DEFY DAMAGE CONDITIONER

Revision: Australian-format working draft **Source manufacturer SDS issue date:** 15 December 2025

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier: Joico Defy Damage Conditioner

Recommended use: Conditioner, rinse off

Australian importer and distributor: Sabre Haircare
Suite 3, Building 6, 49 Frenchs Forest Road East, Frenchs Forest NSW 2086, Australia
Telephone: 02 9982 0100

Manufacturer: Henkel Corporation, One Henkel Way, Rocky Hill CT 06067, USA

Emergency telephone: Poisons Information Centre 13 11 26 (Australia). Sabre must confirm any required notification/permission before publishing this number.

2. HAZARDS IDENTIFICATION

Manufacturer-reported US classifications (retained at user's request): Skin Irritation – Category 2; Eye Irritation – Category 2A; Skin Sensitisation – Category 1.

Signal word: WARNING

Hazard statements: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Precautionary statements – prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection and face protection.

Response: IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs, get medical attention. If eye irritation persists, get medical attention. Take off contaminated clothing.

Unknown acute toxicity: Manufacturer source states 3% of the mixture consists of ingredients of unknown acute toxicity.

Australian classification status: These are the source SDS's US OSHA classifications. They have not been independently verified against Australian WHS/GHS 7 criteria and must not be represented as an approved Australian classification until confirmed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The manufacturer identifies the following chemicals as health hazards. Exact identity and/or concentration may be withheld as a trade secret.

Chemical name	CAS number	Concentration
Octadecan-1-ol	112-92-5	≥1 – <5%
Docosyltrimethylammonium chloride	17301-53-0	≥1 – <5%
Hexadecan-1-ol	36653-82-4	≥1 – <5%
Dimethyl, methyl(aminoethylaminoisobutyl) siloxane	106842-44-8	≥0.1 – <1%

Actual concentration or concentration range may be withheld as a trade secret, as stated in the manufacturer SDS.

4. FIRST AID MEASURES

Inhalation: First aid measures not required according to the manufacturer source. If irritation occurs from mists/vapours, move to fresh air.

Skin contact: First aid measures not required for normal cosmetic use according to the source. Wash with plenty of water if irritation occurs.

Eye contact: Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no product remains. Seek medical attention if pain or irritation develops.

Ingestion: Rinse mouth and give water or milk to drink if appropriate. Contact a physician or Poisons Information Centre.

Symptoms/effects: Eye contact may cause moderate to severe irritation. Repeated or prolonged excessive skin exposure may cause irritation or sensitisation dermatitis in previously exposed individuals. Inhalation is unlikely; elevated-temperature vapours or mists may cause irritation. Ingestion may cause irritation of the mouth, throat and digestive tract, diarrhoea and vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray or regular foam. **Unsuitable media:** None known.

Specific hazards: Carbon dioxide, carbon monoxide and nitrogen oxides.

Protective equipment: Wear full-face positive-pressure self-contained breathing apparatus and protective suit. Avoid breathing vapours, keep upwind, isolate area and keep unnecessary personnel away.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if safe. Spills present a slipping hazard. Keep unnecessary personnel away and ventilate if possible.

Environmental precautions: Source states small/household quantities may be disposed of in regular domestic trash; for larger quantities consult local disposal authorities. Australian local requirements must be checked.

Containment and clean-up: Small spills: contain and absorb with sand or other absorbent and place in clean, dry containers. Wash spill site thoroughly with water. Large spills: dike, recover by pumping or absorbent, and place in suitable waste containers.

7. HANDLING AND STORAGE

Safe handling: Do not get in eyes. Do not take internally.

Storage: Store in original containers in a cool, dry area. Large warehouse storage areas should be well ventilated. Keep containers tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Source exposure limits: The US source lists no ACGIH TLV, OSHA PEL or AIHA WEEL for octadecan-1-ol and hexadecan-1-ol. These are source-country values, not Australian workplace exposure standards.

Australian exposure standards: Must be checked against the current Safe Work Australia Workplace Exposure Standards before issue. No Australian exposure limit is asserted in this draft.

Engineering controls: Provide local exhaust or general dilution ventilation where mists or vapours may be generated.

Personal protection: Monitor airborne contamination where mists/vapours may be generated; safety glasses where splashing may occur; protective gloves and clothing where repeated or prolonged skin contact may occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Cream, white. **Odour:** Characteristic. **pH:** 3.75–4.75. **Solubility in water:** Soluble.

Flash point: Not applicable (as stated in source). **Other properties:** Odour threshold, melting point, boiling point, evaporation rate, flammable limits, vapour pressure/density, partition coefficient, autoignition temperature, decomposition temperature, viscosity and VOC content: not available in source.

10. STABILITY AND REACTIVITY

Reactivity: May react with strong alkalis. **Stability:** Stable under normal ambient temperature (21°C) and pressure (1 atm).

Hazardous reactions: Hazardous polymerisation not reported under normal temperatures and pressures. **Conditions to avoid:** Direct sunlight and extremes of temperature.

Incompatible materials: Strong oxidisers and alkalis. **Hazardous decomposition products:** Thermal decomposition may release toxic and/or hazardous gases, including ammonia.

11. TOXICOLOGICAL INFORMATION

Inhalation: Unlikely due to physical properties; elevated-temperature vapours or mists may cause irritation.

Skin contact: Repeated or prolonged excessive exposure may cause irritation or sensitisation dermatitis in previously exposed individuals.

Eye contact: May cause moderate to severe irritation. **Ingestion:** May cause mild gastrointestinal irritation with nausea, vomiting, diarrhoea and abdominal pain.

Component toxicity data reported by manufacturer: Octadecan-1-ol: oral LD50 (rat) 20 g/kg and >5,000 mg/kg; dermal LD50 (rabbit) >3 g/kg. Hexadecan-1-ol: oral LD50 (rat) 5 g/kg. Source reports no LD50/LC50 data for the other two listed components.

Carcinogenicity: Source reports none of the ingredients are listed by IARC, NTP or OSHA. Mutagenicity and reproductive toxicity: source states none of the ingredients are known to cause these effects.

12. ECOLOGICAL INFORMATION

Product aquatic toxicity: Not determined according to source. Source anticipates the product to be safe for the environment at concentrations predicted in household settings under normal use.

Persistence/degradability: Source reports octadecan-1-ol readily biodegradable (95.6%); docosyltrimethylammonium chloride 80%; hexadecan-1-ol 82.4%; and dimethyl methyl(aminoethylaminoisobutyl) siloxane not readily biodegradable (<60%).

Bioaccumulation and mobility: Not determined for the product according to source.

13. DISPOSAL CONSIDERATIONS

Source information: Manufacturer states product is not a RCRA hazardous waste and may be disposed of in accordance with federal, state and local regulations; uncleaned packages may be placed in trash.

Australian requirements: Dispose of contents and packaging in accordance with applicable Australian Commonwealth, state/territory and local requirements. US RCRA status does not establish Australian waste classification.

14. TRANSPORT INFORMATION

Manufacturer source classification: Not regulated for US DOT ground, ICAO/IATA air and IMO/IMDG sea transport.

Australian ADG Code: Australian transport status must be confirmed against the current ADG Code and actual product/packaging before issue. The US non-regulated statement is not, by itself, confirmation of Australian ADG status.

15. REGULATORY INFORMATION

US regulatory information in source: TSCA, CERCLA/SARA, California Proposition 65 and Canadian CEPA statements are jurisdiction-specific and are not Australian regulatory determinations.

Australian regulatory status: Importer must verify applicable Australian WHS hazardous chemical requirements, industrial chemical obligations and relevant state/territory controls before issue. No Australian inventory or regulatory conclusion is asserted in this draft.

16. OTHER INFORMATION

Source manufacturer SDS: Henkel Corporation, Revision 001.2, issue date 15 December 2025; RS Number 647393.

Australian document status: Working draft prepared from manufacturer-supplied information and Sabre Haircare importer details. Manufacturer-reported US classifications are reproduced at the user's request and have not been independently confirmed as Australian GHS 7 classifications.

Before issue: Sabre Haircare must verify Australian GHS 7 classification, exposure standards, ADG transport status, Australian regulatory information, emergency contact arrangements and any trade-secret disclosure requirements. This draft is not a substitute for competent SDS review.