HIGHJEN Descaler Tablets

Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

SDS NUMBER	VERSION	REVISION DATE	SUPERSEDES	LANGUAGE
HXC-SDS-HJ-DST	1.0	05.11.2026	–	EN

PRODUCT SAFETY SUMMARY

Product name	**HIGHJEN Descaler Tablets**
Product type	**Descaler tablet for small household appliances (dissolved in water before use)**
UFI	**J6U2-M0D1-Q007-5P49**
Use	**Descaler tablet for small appliances (consumer use)**
Signal word	**Danger**



GHS05

Danger

H315 Causes skin irritation.
H318 Causes serious eye damage.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form	Mixture
Trade name	HIGHJEN Descaler Tablets
Variant(s)	For kettles, coffee and tea machines and steam irons
Pack sizes	16 tablets × 5 g (80 g)
Product code	HJ-DST
UFI	J6U2-M0D1-Q007-5P49
Product type	Descaler tablet for small household appliances (dissolved in water before use)

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

Identified use	Descaling and cleaning of small household appliances (kettles, coffee and tea machines, steam irons without steam generator): dissolve 1 tablet in water as described in the instructions for use, then rinse the appliance thoroughly with clean water.
Use category	Consumer use (general public); professional use.
Uses advised against	Not suitable for irons with a steam generator (boiler). Do not use on marble, enamel or other acid-sensitive surfaces. Do not mix with chlorine-based products. Uses other than those identified are not recommended.

1.3 Details of the supplier of the safety data sheet

Manufacturer / supplier	HomeXCare Kozmetik Sanayi ve Ticaret Ltd. Şti. Tahtakale Mah. Fırat 1 Cad. Bahçe City B Blok No: 4/1 İç Kapı No: 50 34320 Avcılar / İstanbul, Türkiye
Telephone	+90 534 010 11 05
E-mail	info@homexcare.com
Website	www.homexcare.com
E-mail address of the person responsible for this SDS	info@homexcare.com

1.4 Emergency telephone number

In case of emergency contact the national poison centre of the country of use (list of appointed bodies: poisoncentres.echa.europa.eu). General emergency number in the EU: 112.

Country	Organisation	Telephone	Remarks
Türkiye	Ulusal Zehir Danışma Merkezi (UZEM)	114	24 h
Bulgaria	National Toxicological Information Centre, UMBAL "N. I. Pirogov", Sofia	+359 2 9154 233	
Croatia	Poison Control Centre, Institute for Medical Research and Occupational Health, Zagreb	+385 1 2348 342	
Czech Republic	Toxikologické informační středisko (TIS), Prague	+420 224 919 293 / +420 224 915 402	24 h
Germany	Giftnotruf der Charité – Universitätsmedizin Berlin	+49 30 30686 700	24 h
Greece	Poison Information Centre, Athens	+30 210 77 93 777	24 h
Hungary	Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)	+36 80 20 11 99	24 h, calls from Hungary

Company (office hours, not an emergency service): +90 534 010 11 05

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard class and category	Hazard statement
Skin Irrit. 2	H315 – Causes skin irritation.
Eye Dam. 1	H318 – Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]



GHS05

Hazard pictograms	GHS05 – Corrosion
Signal word	Danger
Hazardous components which must be listed on the label	L(+)-tartaric acid, sulfamic acid

Hazard statements

H315	Causes skin irritation.
H318	Causes serious eye damage.

Precautionary statements

P102	Keep out of reach of children.
P280	Wear protective gloves/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of 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.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container in accordance with local/national regulations.

Supplemental label information

UFI	J6U2-M0D1-Q007-5P49
Detergent labelling (Regulation (EC) No 648/2004, Annex VII)	Perfumes.

2.3 Other hazards

Based on the information available for the components, the mixture does not contain substances that meet the criteria for PBT or vPvB (REACH Annex XIII) or for PMT or vPvM (CLP, as amended by Regulation (EU) 2023/707), at a concentration of 0.1 % or more.

The mixture does not contain substances included in the list established in accordance with Article 59(1) of REACH for having endocrine-disrupting properties, nor substances identified as having endocrine-disrupting properties in accordance with the criteria of Commission Delegated Regulation (EU) 2017/2100, Commission Regulation (EU) 2018/605 or Regulation (EC) No 1272/2008 as amended by Regulation (EU) 2023/707, at a concentration of 0.1 % or more.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable (the product is a mixture).

3.2 Mixtures

Substance name	Identifiers	REACH registration no.	% (w/w)	Classification (EC) No 1272/2008 [CLP]
L(+)-Tartaric acid	CAS: 87-69-4 EC: 201-766-0	–	≥ 75 – < 85	Eye Dam. 1, H318
Sulfamic acid (amidosulfonic acid)	CAS: 5329-14-6 EC: 226-218-8 Index: 016-026-00-0	–	≥ 10 – < 15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Citric acid	CAS: 77-92-9 EC: 201-069-1	–	≥ 1 – < 5	Eye Irrit. 2, H319
Perfume	CAS: – EC: –	–	≥ 0.1 – < 1	Not classified

Full text of the hazard statements: see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General	If medical advice is needed, have product container or label at hand.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a POISON CENTRE or doctor.
Skin contact	Wash with plenty of water. If skin irritation occurs, get medical advice. Take off contaminated clothing and wash it before reuse.
Ingestion	Rinse mouth. Drink a glass of water. Do not induce vomiting. Get medical advice.
Inhalation	Remove to fresh air in case of inhalation of dust from broken tablets.

4.2 Most important symptoms and effects, both acute and delayed

Eyes	Causes serious eye damage: pain, redness, tearing; risk of lasting damage.
Skin	Causes skin irritation (redness, burning sensation) on direct contact with the tablet or concentrated solution.
Ingestion	Irritation of mouth, throat and stomach (acidic product); nausea.
Inhalation	Dust may irritate the respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

Eye contact: immediate medical attention (ophthalmologist). Otherwise treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use extinguishing media appropriate to the surrounding fire (water spray, foam, dry powder, CO2).
Unsuitable extinguishing media	None known.

5.2 Special hazards arising from the substance or mixture

Combustible organic solid (tartaric and citric acid). In case of fire, carbon oxides, sulphur oxides and nitrogen oxides may be released.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing in case of a surrounding fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Wear protective gloves and eye protection. Avoid dust formation from broken tablets.

6.2 Environmental precautions

Do not allow large quantities to enter surface water, drains or soil.

6.3 Methods and material for containment and cleaning up

Collect tablets and fragments mechanically in a dry, closable container. Rinse residues with plenty of water; larger spills may be neutralised with sodium carbonate.

6.4 Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes. Handle tablets with dry hands; wear protective gloves for prolonged handling. Always dissolve the tablet in water before use. Do not mix with chlorine-based or other cleaning products. After descaling, rinse the appliance at least twice with clean water before preparing food or drinks. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

Store in the original, tightly closed, dry packaging at 0 – 40 °C, away from direct sunlight and moisture. Keep out of reach of children. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

Descaling of small household appliances (cleaning product).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No specific occupational exposure limits for the mixture. Observe the national limit values for inhalable/respirable dust where applicable.

8.2 Exposure controls

Eye protection	Safety glasses with side shields (EN 166); goggles for industrial handling of unpacked tablets or powder.
Hand protection	Protective gloves (nitrile or PVC, EN ISO 374).
Respiratory protection	Not required under normal use; particle filter (P2) in case of dust formation during industrial handling.
Hygiene measures	Wash hands after handling. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Property	Value / remarks
Physical state	Solid — tablet (5 g)
Colour	White
Odour	Perfumed
Odour threshold	Not determined
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	Not flammable (combustible organic solid)
Lower and upper explosion limit	Not applicable
Flash point	Not applicable (solid)
Auto-ignition temperature	Not determined
Decomposition temperature	approx. 170 °C (tartaric acid)
pH	approx. 2 – 3 (1 % aqueous solution)
Kinematic viscosity	Not applicable (solid)
Solubility	Soluble in water

Property	Value / remarks
Partition coefficient n-octanol/water (log value)	Not applicable (mixture)
Vapour pressure	Not applicable
Density and/or relative density	approx. 1.5 – 1.8 g/cm³ (tablet)
Relative vapour density	Not applicable
Particle characteristics	Not applicable (tablet)

9.2 Other information

9.2.1 Information with regard to physical hazard classes: no further relevant information.

9.2.2 Other safety characteristics: no further relevant information.

SECTION 10: Stability and reactivity

10.1 Reactivity

Acidic product: reacts with alkalis and carbonates (release of CO2); may corrode some metals (e.g. zinc, aluminium) in the presence of moisture.

10.2 Chemical stability

Stable under recommended storage conditions (dry).

10.3 Possibility of hazardous reactions

Contact with chlorine-based products (hypochlorite, chlorinated tablets) can release chlorine gas. Violent reaction possible with strong oxidising agents and nitrites.

10.4 Conditions to avoid

Moisture, humidity, temperatures above 40 °C.

10.5 Incompatible materials

Strong bases, strong oxidising agents, hypochlorite (chlorine bleach), nitrites, reactive metals.

10.6 Hazardous decomposition products

On heating or decomposition: carbon oxides, sulphur oxides, nitrogen oxides, ammonia.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Not classified (ATE mix > 2 000 mg/kg, calculated).
Skin corrosion/irritation	Causes skin irritation (calculation method).
Serious eye damage/irritation	Causes serious eye damage (calculation method).
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity / carcinogenicity / reproductive toxicity	Not classified.
STOT – single / repeated exposure	Not classified.
Aspiration hazard	Not applicable (solid).

11.2 Information on other hazards

Endocrine disrupting properties: not applicable — the mixture does not contain substances with endocrine-disrupting properties (human health) at a concentration of 0.1 % or more.

SECTION 12: Ecological information

12.1 Toxicity

Not classified as hazardous to the aquatic environment (calculation method; sulfamic acid, Aquatic Chronic 3, is below the 25 % threshold). The in-use solution is highly diluted.

12.2 Persistence and degradability

Tartaric acid and citric acid are readily biodegradable. Sulfamic acid is inorganic and not subject to biodegradation; in water it slowly hydrolyses to ammonium hydrogen sulfate.

12.3 Bioaccumulative potential

No bioaccumulation expected.

12.4 Mobility in soil

Soluble in water.

12.5 Results of PBT and vPvB assessment

The mixture does not contain substances meeting the PBT or vPvB criteria at ≥ 0.1 %.

12.6 Endocrine disrupting properties

The mixture does not contain substances with endocrine-disrupting properties (environment) at a concentration of 0.1 % or more.

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	Dispose of in accordance with local and national regulations. The in-use solution may be rinsed into the drain with plenty of water.
European List of Waste (LoW)	20 01 14* – acids (unused product in larger quantities); household quantities via the municipal collection.
Packaging	Completely emptied packaging can be recycled.

SECTION 14: Transport information

The product is not classified as dangerous goods for transport (ADR/RID, ADN, IMDG, IATA).

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No (not a marine pollutant)	No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable — the product is not transported in bulk according to IMO instruments.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

- Regulation (EC) No 1907/2006 (REACH), as amended — including Annex II as amended by Regulation (EU) 2020/878.
- Regulation (EC) No 1272/2008 (CLP), as amended — including Regulation (EU) 2023/707 (new hazard classes) and Regulation (EU) 2024/2865 (CLP revision; label-format provisions apply from 1 January 2028 as amended by Regulation (EU) 2025/2439).
- Regulation (EC) No 648/2004 on detergents (labelling of contents, biodegradability of surfactants). Regulation (EU) 2026/405 on detergents and surfactants entered into force on 22 March 2026 and applies from 23 September 2029.
- Directive 2012/18/EU (Seveso III): not listed in Annex I.
- REACH Annex XVII (restrictions): no restricted substance identified. REACH Annex XIV (authorisation) and Candidate List (SVHC): no listed substance at ≥ 0.1 %.
- Directive 2004/42/EC (VOC in paints/varnishes): not applicable.

Labelling of contents according to Regulation (EC) No 648/2004, Annex VII

Perfumes.

National regulations

Observe national legislation of the country of use (e.g. occupational safety, water hazard classification, waste legislation).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Indication of changes

Version 1.0 (05.11.2026): first edition of this safety data sheet issued by HomeXCare Kozmetik Sanayi ve Ticaret Ltd. Şti. for the HIGHJEN range; structure and content aligned with REACH Annex II as amended by Regulation (EU) 2020/878.

Abbreviations and acronyms

Abbreviation	Meaning
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived No-Effect Level
EC	European Community number (EINECS/ELINCS/NLP/List number)
EC50	Median effective concentration
ED	Endocrine disruptor
EWC/LoW	European List of Waste (Decision 2000/532/EC)
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Median lethal concentration
LD50	Median lethal dose
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic
PMT	Persistent, Mobile and Toxic
PNEC	Predicted No-Effect Concentration

Abbreviation	Meaning
REACH	Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substance of Very High Concern
UFI	Unique Formula Identifier
vPvB	very Persistent and very Bioaccumulative
vPvM	very Persistent and very Mobile

Full text of H-statements referred to in Sections 2 and 3

H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Hazard classes and categories (abbreviations used in Sections 2 and 3)

Abbreviation	Hazard class and category
Aquatic Chronic 3	Hazardous to the aquatic environment — chronic hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Classification and procedure used to derive the classification for mixtures

Classification	Procedure
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method

Key literature references and sources of data

Supplier/manufacturer data for the mixture and its raw materials; Regulation (EC) No 1272/2008 Annex VI; ECHA registration dossiers and C&L Inventory.

Training advice

Persons handling the product in professional or industrial settings should be informed of its hazards and of the measures described in this safety data sheet. Consumers: follow the instructions on the label.

Further information

The information in this safety data sheet is based on the present state of our knowledge and on the applicable EU legislation. It describes the product with regard to health, safety and environmental requirements only and does not constitute a guarantee of specific product properties or a legally binding contract. The user is responsible for observing applicable laws and regulations.

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