1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name	**K9 Turf Last Resort Bio-Enzymatic Cleaner**
Product code	K9T-LRBEC
Product description	Enzyme-enriched floor cleaner and deodoriser
Chemical family	Non-pathogenic bacteria/detergent blend

Relevant identified uses

Use	Cleaning and deodorising synthetic pet turf, kennels, stable floors and walls.

Details of the supplier of the safety data sheet

Supplier	**K9 Turf** Bankhouse Farm, Pincheon Green Lane, Sykehouse, DN14 9AD, United Kingdom
Telephone	0800 9174442
Email	info@k9turf.co.uk
Website	k9turf.co.uk
Company registration	14130629

24 HR. EMERGENCY TELEPHONE NUMBERS – UK	
Emergency services (fire, ambulance, police)	**999 or 112**
Medical advice / poisons (24 hours)	**NHS 111 · 111.nhs.uk** **Scotland: NHS 24 on 111**
Supplier (K9 Turf) – office hours	**0800 9174442**

The UK National Poisons Information Service (NPIS) provides advice to healthcare professionals; members of the public should call NHS 111 or, in an emergency, 999.

2. Hazards identification

Classification of the mixture (GB CLP)

Health hazards	Eye irritation, Category 2 (Eye Irrit. 2) – H319
Classification note	The supplier's US classification listed Eye Irritation Category 2A, which corresponds to GB CLP Eye Irrit. 2. It also listed Skin Irritation, Category 3 (H316) and H303 (May be harmful if swallowed; acute oral toxicity Category 5). Neither category is adopted under GB CLP, so H316 and H303 and their classifications have been removed from this sheet.

Label elements

Hazard pictogram	 **GHS07 – Exclamation mark** (serious eye irritation)
Signal word	**WARNING**
Hazard statement	H319: Causes serious eye irritation.

Precautionary statements

Prevention	P262: Do not get in eyes, on skin, or on clothing. P233: Keep container tightly closed. P102: Keep out of reach of children. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352: IF ON SKIN: Wash with plenty of water. P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Storage	P404: Store in a closed container.
Disposal	P501: Dispose of contents/container in accordance with local and national regulations.

Emergency overview

Physical appearance	Green liquid
Immediate concerns	Eye and skin irritant

Potential health effects

Eyes	Contact causes severe eye irritation.
Skin	May be mildly irritating with prolonged or repeated contact.
Skin absorption	None expected.
Ingestion	Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhoea and possible death.
Inhalation	None expected.
Reproductive toxicity – teratogenic effects	None known.
Carcinogenicity	No listed substance.
Mutagenicity	None known.
Medical conditions aggravated	Pre-existing skin conditions such as dermatitis may be aggravated.
Routes of entry	Eye, skin, ingestion.
Cancer statement	No known significant effects or critical hazards.
Health comments	Contact with open wounds, sores or eyes may cause infection unless the areas are immediately flushed with clean water.

3. Composition/information on ingredients

Mixture

Chemical name	Wt. %	CAS No.
Sodium dodecylbenzene sulfonate	0-5	25155-30-0
Tetrasodium iminodisuccinate	0-2	144538-83-0
Secondary alcohol ethoxylate	0-5	84133-50-6
Sodium xylene sulfonate	0-5	1300-72-7
Viable non-pathogenic Bacillus subtilis cultures	0-1	TS
Dye	< 0.1	TS
Fragrance	< 0.5	TS
Water	80 - 85	7732-18-5

CAS shown as “TS”: identity withheld as a trade secret by the supplier.

4. First aid measures

Eyes	Immediately flush eyes with water for at least 15 minutes while holding the eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Seek medical attention immediately.
Skin	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion	Get immediate medical attention. Do not induce vomiting unless instructed to do so by a doctor or NHS 111.
Inhalation	Remove the casualty to fresh air and monitor. Seek medical advice if irritation persists.

Signs and symptoms of overexposure

Eyes	Burning sensation with tearing, redness.
Skin	Prolonged contact will cause irritation marked by redness and a burning sensation.
Skin absorption	Not established
Ingestion	Irritation of mouth and throat, along with stomach upset and vomiting.
Inhalation	Irritation of nose, throat and lungs with coughing, sneezing and possible difficulty breathing.
Acute effects	Not established

5. Firefighting measures

Flammable class	Not applicable
General hazard	Not applicable
Extinguishing media	Not required. Water-based material.

6. Accidental release measures

Small spill	Avoid walking in product. Wipe up, or flush small spills to the foul sewer.
Large spill	Avoid walking in material. Prevent product from entering watercourses, soil, surface water drains or other bodies of water.

Environmental precautions

Water spill	Avoid discharges into open waterways.
Land spill	Avoid discharge to soil.

Methods and equipment

General procedures	Isolate the spill or leak area immediately. Keep unauthorised personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.
Special protective equipment	Eye protection, rubber gloves, rubber boots to protect feet.

7. Handling and storage

General procedures	Close container after use.
Handling	Wear eye protection and rubber gloves when handling the concentrate.
Storage	Store in an area inaccessible to children.
Storage temperature	Store at ambient temperatures.

8. Exposure controls/personal protection

Engineering controls	No special requirements.
Personal protective equipment	
Eyes and face	Safety glasses with side shields.
Skin	Rubber or other chemical-resistant gloves.
Protective clothing	No special requirements.
Hygiene measures	Wash with soap and water after handling. Do not eat, drink or smoke while using the product.

9. Physical and chemical properties

Physical state	Liquid
Odour	Fresh linen
Odour threshold	Not established
Colour	Green
pH	8.5 to 9.5
Percent volatile	> 90
Flash point and method	None
Flammable limits	Not applicable
Autoignition temperature	Not applicable
Vapour pressure	≤ 20 mm Hg at 20 °C (approx. 2.7 kPa)
Vapour density	> 1 (air = 1)
Boiling point	100 °C
Freezing point	0 °C
Thermal decomposition	Not available
Solubility in water	Complete
Evaporation rate	1.0 (water = 1)
Density	Approx. 1.02 kg/L
Relative density	1.017
Viscosity	Water-thin
Volatile organic compounds (VOC)	None

10. Stability and reactivity

Reactivity	Stable
Hazardous polymerisation	No
Conditions to avoid	Not established
Possibility of hazardous reactions	None expected.
Hazardous decomposition products	None known.
Incompatible materials	Strong acids, oxidisers.

11. Toxicological information

Acute toxicity – ingredients

Chemical name	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Sodium dodecylbenzene sulfonate	438 mg/kg	–	–
Secondary alcohol ethoxylate	> 412 mg/kg	> 14000 mg/kg	1.06 mg/l (aerosol)

Mixture

Dermal LD50	Not established
Oral LD50	Not established
Inhalation LC50	Not established
Serious eye damage/irritation	Irritant
Respiratory or skin sensitisation	No known significant effects or critical hazards.
Germ cell mutagenicity	No known significant effects or critical hazards.
Reproductive toxicity	No known significant effects or critical hazards.

12. Ecological information

Environmental data	Not established
Ecotoxicological information	Not established
Aquatic toxicity (acute)	Not established

13. Disposal considerations

Disposal method	Small amounts (less than 20 litres) may be disposed of in the foul sewer. Consult the local authorities for additional disposal information. Dispose of in accordance with local and national regulations.
Large spills	Consult the local authorities for large-volume disposal.
Product disposal	See above.
Empty container	Rinse container with clean water. Offer container for recycling, or dispose of as general waste.

14. Transport information

	Road (ADR) / Rail (RID)	Sea (IMDG)	Air (ICAO/IATA)
Proper shipping name	Cleaning compound	Cleaning compound	Cleaning compound
Dangerous goods status	Not regulated as a dangerous good	Not regulated as a dangerous good	Not regulated as a dangerous good
UN number / class / packing group	Not applicable	Not applicable	Not applicable

15. Regulatory information

UK legislation	Prepared in accordance with UK REACH (retained Regulation (EC) No 1907/2006, Annex II, as amended) and GB CLP (retained Regulation (EC) No 1272/2008).
Detergents	Detergents Regulation (EC) No 648/2004 as retained in GB law.
Chemical safety assessment	Not carried out.

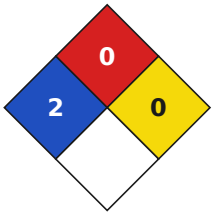
16. Other information

Reason for issue	First issue for UK supply, based on supplier data dated 11/01/2017 (reviewed 01/04/2021).
Document	K9T-SDS-002 Rev A · Date issued 11/2026
Full text of H-statements	H319: Causes serious eye irritation.
Abbreviations	ADR: European agreement on road transport of dangerous goods; CAS: Chemical Abstracts Service; GB CLP: GB classification, labelling and packaging; HMIS: Hazardous Materials Identification System; IATA: International Air Transport Association; ICAO: International Civil Aviation Organization; IMDG: International Maritime Dangerous Goods Code; LC50/LD50: lethal concentration/dose, 50%; NFPA: National Fire Protection Association; RID: rail transport of dangerous goods; TS: trade secret.

HMIS RATING

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA CODES



Blue – Health: 2
Red – Flammability: 0
Yellow – Instability: 0
White – Special hazards: none shown

Disclaimer: K9 Turf cannot anticipate all conditions under which this product may be handled and used. K9 Turf therefore accepts no responsibility for results obtained by applying this information, or for the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using the health and safety information in this sheet as a guide. K9 Turf accepts no liability for damage or loss arising from improper handling or use of this product.