

SAFETY DATA SHEET

Version: 1.0 Date: 10 April 2025



according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

MULTI-PURPOSE CLEANER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product name MULTI-PURPOSE CLEANER
Product type Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) Detergent
Uses advised against Anything other than the above.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification Thrive Sciences Ltd
Unit 3, Northgate Business Park
White Lund Industrial Estate
Morecambe,
Lancashire,
LA3 3BJ
Telephone +44 (0) 1524 481513
E-mail (competent person) sales@thrive.eco
- 1.4 Emergency telephone number**
Emergency Phone No. 0844 381 4708
Only available during office hours.
Monday to Friday 09.00 - 17.00, GMT
Languages spoken English

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Classification According to GB-CLP Regulations UK SI 2019/720 as amended** Not Classified
- 2.2 Label elements** Labelling According to GB-CLP Regulations UK SI 2019/720 as amended
No labelling applicable
- 2.3 Other hazards**
The preparation contains microorganisms belonging to hazard group 1 as defined by the Advisory Committee on Dangerous Pathogens (ACDP) as unlikely to cause human disease. However it should not be assumed that infection can never occur. People who are immunocompromised should not work with this product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances**
Not applicable
- 3.2 Mixtures** Substances in preparations / mixtures.
According to Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No./Index No	REACH Registration No.	Hazard classification
Potassium Sorbate	5 - < 10	24634-61-5	246-376-1/019-003-00-3	Not yet assigned in the supply chain	Eye Irrit. 2; H319

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For full text of H phrases see section 16.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

No action should be taken involving personal risk. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust
IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Inhalation

Skin contact

IF ON SKIN: Gently wash with plenty of soap and water. If irritation develops and persists, get medical attention.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

Ingestion

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER/doctor if you feel unwell. If possible show this SDS. Failing this, show the packaging or label.

4.2 Most important symptoms and effects, both acute and delayed

May cause temporary eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

In case of fire: Water spray, foam, dry powder or CO₂.

Unsuitable extinguishing media

Do not use water jet. Direct water jet may spread the fire.

5.2 Special hazards arising from the substance or mixture

No specific fire or explosion hazard. Decomposition products may include the following materials: carbon dioxide, carbon monoxide, toxic gases or vapours.

5.3 Advice for firefighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No action should be taken involving personal risk. Provided it is safe to do so, isolate the source of the leak. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing vapours, dumes or mist. . In case of spills, beware of slippery floors and surfaces. Avoid release to environment

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up.

6.4 Reference to other sections

See Also Section: 8, 13.

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SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	When using do not eat or drink. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid spilling. Wash hands and exposed skin thoroughly after handling. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
7.2	Conditions for safe storage, including any incompatibilities Storage temperature Incompatible materials	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Stable at ambient temperatures. Recommended: <40 °C to prolong storage life. Keep away from acid, bases, reducing agents. Do not mix with other products.
7.3	Specific end use(s)	See Section: 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
8.1.1	Occupational exposure limits	No specific occupational exposure limits known.
8.1.2	Biological limit value	Not established.
8.1.3	PNECs and DNELs	POTASSIUM SORBATE (CAS: 24634-61-5) DNEL Workers - Inhalation; Long term exposure Systemic effects 17.63 mg/m ³ Workers - Dermal; Long term exposure Systemic effects 40 mg/kg bw/day Consumers - Inhalation; Long term exposure Systemic effects 52.17 mg/m ³ Consumers - Inhalation; Long term exposure Local effects 26.08 mg/m ³ Consumers - Dermal; Long term exposure Systemic effects 20 mg/kg bw/day Consumers - Dermal; Long term exposure Local effects 0.17 mg/cm ² Consumers - Oral; Long term exposure systemic effects 2 mg/kg bw/day PNEC aqua (freshwater) - 1 mg/L aqua (marine water) - 0.1 mg/L STP - 10 mg/L Sediment (freshwater) - 3.6 mg/kg sediment dw Sediment (marine water) - 0.36 mg/kg sediment dw Soil - 1.67 mg/kg soil dw
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. A washing facility/water for eye and skin cleaning purposes should be present./ Eyewash bottles should be available.
8.2.2	Individual protection measures, such as personal protective equipment	Keep good industrial hygiene. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Do not eat, drink or smoke at the work place. Wash hands before breaks and after work.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/ face protection



No specific eye protection required during normal use.

Skin protection

Hand protection:

For users with sensitive skin on prolonged contact: Wear protective gloves.
Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

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Suitable material: PVC, Neoprene, Natural rubber

Body protection:

Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection



No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Thermal hazards

Not applicable.

8.2.3 Environmental exposure controls

Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Odour	Characteristic
Odour threshold	Not established
pH	Solution 6.5 – 7.5
Melting point/freezing point	Not determined.
Initial boiling point and boiling range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not explosive
Oxidising properties	Not classified.

9.2 Other information

None Known

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Under normal conditions of storage and use, no hazardous reactions will occur..
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10.4	Conditions to avoid	Avoid high temperatures or direct sunlight.
10.5	Incompatible materials	No specific material or group of materials is likely to react with the product to produce a hazardous situation. Do not mix with other household chemical products.
10.6	Hazardous decomposition products	May give off noxious and toxic fumes in a fire including Carbon monoxide (CO). Carbon dioxide (CO ₂), sulfur oxides.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity - Ingestion

Mixture: Based upon the available data, the classification criteria are not met.
Calculated acute toxicity estimate (ATE) >2,000 mg/kg.

Acute Toxicity - Inhalation

Mixture: Based upon the available data, the classification criteria are not met.
Calculated acute toxicity estimate (ATE) > 5 mg/l (Dusts)

Acute Toxicity - Skin contact

Mixture: Based upon the available data, the classification criteria are not met.
Calculated acute toxicity estimate (ATE) >2,000 mg/kg.

Skin corrosion/irritation

Mixture: Based upon the available data, the classification criteria are not met.

Serious eye damage/irritation

Mixture: Based upon the available data, the classification criteria are not met.

Respiratory or skin sensitisation

Mixture: Based upon the available data, the classification criteria are not met.

Germ cell mutagenicity

Mixture: Based upon the available data, the classification criteria are not met.

Carcinogenicity

Mixture: Based upon the available data, the classification criteria are not met.

Reproductive toxicity

Mixture: Based upon the available data, the classification criteria are not met.

STOT - single exposure

Mixture: Based upon the available data, the classification criteria are not met.

STOT - repeated exposure

Mixture: Based upon the available data, the classification criteria are not met.

Aspiration hazard

Mixture: Based upon the available data, the classification criteria are not met.

Toxicological information on ingredients:

POTASSIUM SORBATE (CAS 24634-61-5)

Acute toxicity oral (LD₅₀ mg/kg) > 10 500mg/kg bw Species: Rat

Acute toxicity dermal (LD₅₀ mg/kg) >2000 mg/kg bw Species: Rat"

11.2 Other information

None.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Mixture: Based upon the available data, the classification criteria are not met.

Potassium Sorbate (Cas 24634-61-5) LC₅₀ (96h) >500 mg/L OECD 203; Zebra fish (Short-term toxicity to fish)
EC₅₀(48h) 982 mg/L Species: Daphnia magna; (Short-term toxicity to aquatic invertebrates)
EC₅₀(48h) 480 mg/L Species: Scenedesmus subspicatus (Toxicity to aquatic algae)

12.2 Persistence and degradability

No data for the mixture as a whole.

Potassium Sorbate (Cas 24634-61-5) readily biodegradable Modified OECD Screening Test according to OECD: 60% removal after 10 days

12.3 Bioaccumulative potential

No data for the mixture as a whole.

12.4 Mobility in soil

Potassium Sorbate (Cas 24634-61-5) Bioaccumulation: Low potential of bioaccumulation. log Kow is < 3 (-2.097)
No data for the mixture as a whole.

Potassium Sorbate (Cas 24634-61-5) No data available

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB. None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.

12.6 Other adverse effects

None known.

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SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** Disposal should be in accordance with local, state or national legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Uncleaned empties should be disposed of in the same manner as the contents. Recover or recycle if possible.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

	ADR/RID	IMDG	IATA/CAO
14.1 UN number	Not applicable	Not applicable	Not applicable
14.2 UN proper shipping name	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)	Not applicable	Not applicable	Not applicable
14.4 Packing group	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards	Not applicable	Not applicable	Not applicable
14.6 Special precautions for user	Not applicable	Not applicable	Not applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable		
14.8 Additional Information	None		

SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- 15.1.1 EU regulations**
Authorisations and/or restrictions on use Not restricted
GB Regulations Not restricted
Detergent regulations 2004/648/EC Labelling; Contains 15 – 5% preservatives, < 5% anionic surfactants, Non-ionic surfactants, perfumes
- 15.2 Chemical Safety Assessment** A chemical safety assessment is not required under REACH.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

Sections indicated with the following have been revised

Previous Issue 1.0 Date: 05 November 2024

References:

Existing Safety Data Sheets (SDSs).
GB Mandatory Classification list for; Potassium Sorbate (CAS No. 24634-61-5)
Existing ECHA registration for Potassium Sorbate (CAS No. 24634-61-5);

Classification of the substance or mixture according to The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain	Classification Procedure
Not Classified	Threshold Calculation

Legend

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ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	European Community
ECHA	European Chemicals Agency
EU	European Union
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration at which 50% of the population is killed
LD50	Lethal dose at which 50% of the population is killed
LTEL	Long Term Exposure Limit
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the international railway transport of dangerous goods
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

Hazard classification / Classification code:

Eye Irrit. 2; Eye Irritation, Category 2

Hazard Statement(s)

H319: Causes serious eye irritation.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.