



Material Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006, Article 31
Document-No. F 15-60

1. Identification of the substance/preparation and of the company

Product details

Trade name TSK-DRY159 Citric Acid Anhydrous/Monohydrate

Application of the substance/the preparation Food Additive E330
Only for use in food!

Company information

Distributor Supplies for Candles & The Soap Kitchen Ltd Unit E Swinton Bridge Industrial Estate, White Lea Road, Swinton South Yorkshire S64 8BH, UK

Telephone 01189819800

E-Mail: Customerservice@suppliesforcandles.co.uk

Emergency information: TEL: 01709 257151

2. Hazards identification

Classification of the substance/the preparation

Characterization acc. to regulation (EC) No. 1272/2008 Eye Irrit. 2
H319 Causes serious eye irritation

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Xi; Irritant
R36 Irritating to eyes.

The substance is classified and labeled according to the CLP regulation

Hazard pictograms



GHS07

Signal word: Warning

Labelling according to Regulation (EC) No. 1272/2008

Hazard statements

H319 Causes serious eye irritation

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.

Other Hazards

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

Results of PBT and vPvB assessment

PBT This substance is not classified as PBT or vPvB according to current EU criteria
vPvB Not applicable
Not applicable

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3. Composition/information on ingredients

Chemical characterization	
CAS-No.	77-92-9 Citric acid anhydrous 5949-29-1 Citric acid monohydrate
EINECS (EC-Number)	201-069-1
Additional information	No further relevant information available

4. First aid measures

General information	Remove any clothing soiled by the product.
After inhalation	After inhalation of dusts: Supply fresh air; if there is any trouble, seek medical help.
After skin contact	Rinse with water. If there is any trouble seek medical help
After eye contact	Rinse opened eye for 10 minutes under running water. Then consult a doctor.
After swallowing	Rinse out mouth and then drink water. If there is any trouble seek medical help.
Most important symptoms and effects, both acute and delayed	Irritations Coughing Gastric or intestinal disorders Vomiting
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

5. Firefighting measures

Extinguishing media	
Suitable extinguishing agents	CO ₂ , powder, foam or water spray. (The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.)
For safety reasons unsuitable extinguishing agents	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	In the event of fire development of hazardous combustion gases or vapors possible. <u>In case of fire, the following can be released:</u> Carbon monoxide and carbon dioxide
Advice for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
Protective equipment	Wear self-contained respiratory protective device.

6. Accidental release measures

Person precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes. Avoid inhalation of dust. Provide adequate ventilation.
Environmental precautions	Do not allow to enter sewers/ground water or penetrate the soil. If enters sewers/ground water it must be reported immediately to the Environmental Agency or other appropriate regulatory body
Methods and material for containment and cleaning up	Pick up mechanically. Dispose of the material collected according to regulations.
Reference to other sections	See section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See section 13 for disposal information.

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7. Handling and storage

Precautions for safe handling	Avoid spilling. Avoid contact with skin and eyes. Avoid handling which leads to dust formation. Avoid inhalation of dust. Provide adequate ventilation.
Information about fire – and explosion protection	No special measures required.
Conditions for safe storage, including any incompatibilities	Store at temperatures not exceeding 30°C.
Storage	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.
Requirements to be met by storerooms and receptacles	Unsuitable material for receptacle: metal
Information about storage in one common storage facility	Store away from foodstuffs.
Further information about storage conditions	Keep container tightly sealed. Store in dry conditions.
Recommended storage temperature	+ 15 °C - +25 °C
Specific end use	No further relevant information available.

8. Exposure controls and personal protections

Additional information about design and technical systems	No further details, according to point 7.
Exposure controls	
Personal protective equipment	
General protective and hygienic measures	Avoid contact with the eyes. Do not breathe dust. Avoid close or long-term contact with the skin. Wash hands before breaks and at the end of work.
Individual protection measures	Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.
Respiratory protection	Required when dusts are generated: filter P2
Protection of hands	Protective gloves Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves	Nitrile, thickness: $\geq 0,11$ mm The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Penetration time of glove material	Value for the permeation: Level ≥ 6 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection	Tightly sealed goggle.
Body protection	Protective work clothing.

9. Physical and chemical properties

Appearance	Dusty Powder. Crystalline Solid
Form	Crystalline
Colour	White
Odour	Odourless
Odour threshold	No information available
pH-value (100 g/L) at 20 °C	1,7
Change in condition	
Melting point/Melting range:	135 - 152°C
Boiling point/Boiling range:	No information available

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Flash point	No information available
Flammability (solid, gaseous)	No information available
Ignition temperature	345°C
Decomposition temperature	No information available
Self-igniting	No information available
Danger of explosion	The product is not explosive. However, dust may form an explosive mixture with air.
Explosion limits	
Lower	No information available
Upper	No information available
Oxidizing properties	No information available
Vapour pressure	No information available
Density at 20 °C	1,67 g/cm ³
Bulk density	~ 560 kg/m ³
Solubility in /Miscibility with Water at 20 °C	~ 650 g /L

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Chemical stability	Stable at normal ambient temperatures
Thermal decomposition/ conditions to be avoided	Avoid excessive heat for prolonged periods of time. Avoid generation and spreading of dust.
Possibility of hazardous reactions	<u>Strong reaction possible with:</u> Oxidizing agents Bases Metals Reducing agents
Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid generation and spreading of dust.
Incompatible materials	Strong oxidising agents. Strong alkalis
Hazardous decomposition products	No information available

11. Toxicological information

Information on toxicological effects	
Acute toxicity	
LD/LC50 values that are relevant for classification	
Primary irritant effect on the skin on the eye after inhalation	Prolonged or repeated contact may cause skin irritations. Severe irritation. Risk of corneal opacity. After inhalation of dusts/aerosols: Irritation symptoms in the respiratory tract.
Sensitization	No sensitizing effects known.
Further in formation	The product should be handled with the care usual when dealing with chemicals.
Additional toxicological information	<u>After swallowing large quantities:</u> Irritations in the mouth, throat, esophagus, gastrointestinal tract. Gastrointestinal complaints Vomiting

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12. Ecological information

Toxicity

Aquatic toxicity

Fish toxicity

LC 50: 440 – 760 mg/L/96 h (Leuciscus idus) (IUCLID)

Daphnia toxicity

EC 50: 120 mg/L (Daphnia magna) (IUCLID) 72 h

Bacterial toxicity

EC 5: > 10000 mg/L (Pseudomonas putida) (Lit.) 16 h

Persistence and degradability

Biodegradation: 98 %/ 2 d (OECD 302 B)

Easily biodegradable.

Other information

Biochemical Oxygen Demand, BOD₅: 526 mg/g (5 d) IUCLID

Chemical Oxygen Demand; COD: 728 mg/g IUCLID

Bio accumulative potential

Due to the distribution coefficient n-octanol/water a worth-mentioning accumulation in organisms is not expected.

Mobility in soil

No further relevant information available

Ecotoxic effects

Remark:

Harmful effect on aquatic organisms due to pH shift.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT

not applicable

vPvB

not applicable

Other adverse effects

No further relevant information available.

13. Disposal considerations

Waste treatment methods

Recommendation

The disposal is regionally differently regulated; therefore, the kind of disposal is to be inquired at the responsible authorities.

Uncleaned packaging

Recommendation

Disposal according to official regulations.

14. Transport information

UN-Number

ADR, IMDG, IATA

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UN proper shipping name

ADR, AND, IMDG, IATA

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Transport hazard class(es)

ADR, AND, IMDG, IATA

Class

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Packing group

ADR, IMDG, IATA

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Environmental hazards

Marine pollutant

NO

Special precautions for user

Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

Transport/Additional information

Transport by post may be prohibited or restricted

ADR

Remarks

Not subject to transport regulations.

UN "Model Regulation"

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15. Regulatory information

National regulations

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Information about limitation of use	Employment restrictions concerning juveniles must be observed.
Storage class according to TRGS 510	10 - 13 Other combustible / non-combustible solids / liquids
Water hazard class	Water hazard class 1 (Assessment by list): slightly hazardous for water
Chemical safety assessment	A chemical safety assessment has not been carried out

16. Other information

All information in this Material Safety Data Sheet (MSDS) is based on our current knowledge and experience and serves as product description in relation to the mentioned stated safety precautions. A legally binding guarantee of certain characteristics cannot be deduced from this document.