



## SAFETY DATA SHEET

YEAST VIT CIDER

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Compilation date: 28/06/2015

Revision date: 06/10/2020

Revision No: 3

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: YEAST VIT CIDER

Product code: YVIT\_CIDER

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

Use of substance / mixture: Beverage Processing Aids and Other Usages

#### 1.3. Details of the supplier of the safety data sheet

Company name: Murphy and Son Ltd

Murphy & Son Ltd

Alpine St, Old Basford

Nottingham

NG6 0HQ

United Kingdom

Tel: (+44) 115 978 5494

Email: technical@murphyandson.co.uk

#### 1.4. Emergency telephone number

Emergency tel: (+44) 115 978 5494

(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 3: H412

Most important adverse effects: Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Label elements:

Hazard statements: H412: Harmful to aquatic life with long lasting effects.

Precautionary statements: P273: Avoid release to the environment.

P501: Dispose of contents/container to hazardous or special waste collection point.

#### 2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

### Section 3: Composition/information on ingredients

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## 3.2. Mixtures

### Hazardous ingredients:

DIAMMONIUM PHOSPHATE - REACH registered number(s): 01-2119490974-22-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-987-8	7783-28-0	Substance with a Community workplace exposure limit.	-	1-10%

THIAMINE HYDROCHLORIDE

200-641-8	67-03-8	Substance with a Community workplace exposure limit.	-	1-10%
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ZINC SULPHATE - REACH registered number(s): 01-2119474684-27-XXXX

231-793-3	7733-02-0	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%
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### Non-classified ingredients:

AMMONIUM SULPHATE - REACH registered number(s): 01-2119455044-46-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-984-1	7783-20-2	-	-	>90%

CALCIUM D PANTOTHENATE

205-278-9	137-08-06	-	-	<1%
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MAGNESIUM SULPHATE - REACH registered number(s): 01-2119486789-11-XXXX

231-298-2	7487-88-9	-	-	<1%
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NICOTINAMIDE - REACH registered number(s): 01-2119968268-22-XXXX

202-713-4	98-92-0	-	STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315	<1%
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MONO SODIUM GLUTAMATE

608-719-7	32221-81-1	-	-	<1%
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METHIONINE (L)

200-562-9	63-68-3	-	-	<1%
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ASPARTIC ACID

200-291-6	56-84-8	-	-	<1%
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INOSITOL

201-781-2	87-89-8	-	-	<1%
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## VALINE

200-773-6	72-18-4	-	-	<1%
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## PYRIDOXINE HYDROCHLORIDE

200-386-2	58-56-0	-	Eye Dam. 1: H318	<1%
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## MANGANESE SULPHATE

232-089-9	7785-87-7	-	STOT RE 2: H373; Aquatic Chronic 2: H411	<1%
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## POTASSIUM IODIDE

231-659-4	7681-11-0	-	STOT RE 1: H372	<1%
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## BORIC ACID

-	10043-35-3	-	Repr. 1B: H360Fd	<1%
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## BIOTIN

200-399-3	55-85-5	-	-	-
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

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## 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of dust in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**DIAMMONIUM PHOSPHATE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	10 mg/m <sup>3</sup>	-	-	-

**THIAMINE HYDROCHLORIDE**

EU	-	-	10mg/m <sup>3</sup>	4mg/m <sup>3</sup>
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Non-classified ingredients:

## MONO SODIUM GLUTAMATE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10 mg/m3	-	-	-

## MANGANESE SULPHATE

EU	0.5mg/m3	-	-	-
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### DNEL/PNEC Values

DNEL / PNEC No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Powder

**Colour:** Off-white

**Odour:** Perceptible odour

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Soluble

**Viscosity:** No data available.

**Boiling point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**Flash point°C:** No data available.

**Autoflammability°C:** No data available.

**Relative density:** No data available.

**VOC g/l:** No data available.

**Melting point/range°C:** No data available.

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** No data available.

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

[cont...]

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## 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

## 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

## 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

## 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

##### DIAMMONIUM PHOSPHATE

ORAL	RAT	LD50	6500	mg/kg
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##### THIAMINE HYDROCHLORIDE

IPR	MUS	LD50	200	mg/kg
IVN	MUS	LD50	8224	mg/kg

##### ZINC SULPHATE

IVN	RAT	LD50	69900	µg/kg
ORL	MUS	LD50	245	mg/kg
ORL	RAT	LD50	1710	mg/kg

#### Non-classified ingredients:

##### AMMONIUM SULPHATE

ORAL	RAT	LD50	>2000	mg/kg
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### CALCIUM D PANTOTHENATE

ORAL	MUS	LD10	10	g/kg
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### MAGNESIUM SULPHATE

ORL	MUS	LDLO	5	gm/kg
SCU	MUS	LD50	645	mg/kg
SCU	RAT	LD50	1200	mg/kg

### METHIONINE (L)

ORAL	MUS	LD10	10	g/kg
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### INOSITOL

ORAL	MUS	LD50	10000	mg/kg
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### MANGANESE SULPHATE

IVN	RAT	LD50	44100	µg/kg
ORL	MUS	LD50	2330	mg/kg
ORL	RAT	LD50	2150	mg/kg

### BORIC ACID

DERMAL	RBT	LD50	>2000	mg/kg
DUST/MIST	RAT	4H LC50	>2.12	mg/l
ORAL	RAT	LD50	3450	mg/kg

**Toxicity values:** No data available.

#### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### DIAMMONIUM PHOSPHATE

FISH	96H LC50	155	mg/l
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## MAGNESIUM SULPHATE

Daphnia magna	48H EC50	720	mg/l
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## POTASSIUM IODIDE

Daphnia magna	48H EC50	7.5	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	3780	mg/l

## BORIC ACID

Daphnia magna	48H EC50	133	mg/l
FISH	96H LC50	279	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Not biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Bioaccumulation potential.

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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## Section 16: Other information

### Other information

**Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H360Fd: May damage fertility. Suspected of damaging the unborn child.

H372: Causes damage to organs through prolonged or repeated exposure.

H373: May cause damage to organs through prolonged or repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legend to abbreviations:** PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

LDLO = lethal dose low

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

IPR = intraperitoneal

SCU = subcutaneous

ORL = oral

SKN = skin

[cont...]

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DRM = dermal

OCC = ocular/corneal

OPT = optical

ING = ingestion

INH = inhalation

PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.