

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

1.1. Product identifier

Product name: YEAST VIT JUST ADD SUGAR

Product code: YVIT-JAS

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: Eye Irrit. 2: H319; Skin Irrit. 2: H315

Most important adverse effects: Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P264: Wash hands, forearms and face thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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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.

P321: Specific treatment (see supplemental first aid instruction on this label)

P362+P364: Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

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.	-	10-30%

SULPHURIC ACID

231-639-5	7664-93-9	-	Skin Corr. 1A: H314	2.5-10%
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YEAST EXTRACT POWDER

232-387-9	8013-01-2	Substance with a Community workplace exposure limit.	-	2.5-10%
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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	<2.5%
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COPPER SULPHATE - REACH registered number(s): 01-2119520566-40-XXXX

231-847-6	7758-98-7	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<2.5%
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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	-	-	<2.5%

CALCIUM D PANTOTHENATE

205-278-9	137-08-06	-	-	<2.5%
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METHIONINE (L)

200-562-9	63-68-3	-	-	<2.5%
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PYRIDOXINE HYDROCHLORIDE

200-386-2	58-56-0	-	Eye Dam. 1: H318	<2.5%
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SODIUM METABISULPHITE - REACH registered number(s): 01-2119531326-45-XXXX

231-673-0	7681-57-4	-	Acute Tox. 4: H302; Eye Dam. 1: H318; -: EUH031	<2.5%
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MONO SODIUM GLUTAMATE

205-538-1	142-47-2	-	-	<2.5%
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INOSITOL

201-781-2	87-89-8	-	-	<2.5%
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ASPARTIC ACID

200-291-6	56-84-8	-	-	<2.5%
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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	<2.5%
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THIAMINE HYDROCHLORIDE

200-641-8	67-03-8	-	-	<2.5%
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VALINE

200-773-6	72-18-4	-	-	<2.5%
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ASPARAGINE, L

200-735-9	70-47-3	-	-	-
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MANGANESE SULPHATE

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

231-659-4	7681-11-0	-	STOT RE 1: H372	-
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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. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water.

Inhalation: Not applicable.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

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. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

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: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. 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. Avoid the formation or spread of mists in the air.

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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 ³	-	-	-

SULPHURIC ACID...100%

UK	0.05 mg/m ³	-	-	-
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YEAST EXTRACT POWDER

UK	4 mg/m ³	-	-	-
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COPPER SULPHATE

UK	1 mg/m ³	2 mg/m ³	-	-
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Non-classified ingredients:

SODIUM METABISULPHITE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	5 mg/m ³	-	4 mg/m ³	-

MONO SODIUM GLUTAMATE

UK	10 mg/m ³	-	-	-
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THIAMINE HYDROCHLORIDE

EU	-	-	10mg/m ³	4mg/m ³
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MANGANESE SULPHATE

EU	0.5mg/m ³	-	-	-
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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: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

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Eye protection: Tightly fitting safety goggles. 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: Liquid

Colour: Yellow-brown

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Miscible in all proportions

Boiling point/range°C: No data available.

Flammability limits %: lower: Not applicable.

Flash point°C: Not applicable.

Autoflammability°C: No data available.

Relative density: 1.160 - 1.180

VOC g/l: No data available.

Melting point/range°C: No data available.

upper: Not applicable.

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

Vapour pressure: No data available.

pH: 2.01 - 3.0

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

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

[cont...]

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11.1. Information on toxicological effects

Hazardous ingredients:

DIAMMONIUM PHOSPHATE

ORAL	RAT	LD50	6500	mg/kg
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SULPHURIC ACID...100%

ORL	RAT	LD50	2140	mg/kg
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ZINC SULPHATE

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

COPPER SULPHATE

IVN	RAT	LD50	48900	µg/kg
ORL	MUS	LD50	369	mg/kg
ORL	RAT	LD50	520	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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METHIONINE (L)

ORAL	MUS	LD10	10	g/kg
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SODIUM METABISULPHITE

IVN	RAT	LD50	115	mg/kg
ORL	RAT	LD50	1131	mg/kg
SKN	RAT	LD50	>2	gm/kg

INOSITOL

ORAL	MUS	LD50	10000	mg/kg
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THIAMINE HYDROCHLORIDE

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

ASPARAGINE, L

ORAL	RAT	LD50	>16,000	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

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

DIAMMONIUM PHOSPHATE

FISH	96H LC50	155	mg/l
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SODIUM METABISULPHITE

ALGAE	72H ErC50	43.8	mg/l
Daphnia magna	48H EC50	89	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	50 - 200	mg/l

[cont...]

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POTASSIUM IODIDE

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

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into 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: Negligible ecotoxicity.

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: Contains food allergen(s), subject to the labelling requirements of (EU) No. 1169/2011
Specified label: "Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO₂".

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.

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.

[cont...]

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Phrases used in s.2 and s.3: EUH031: Contact with acids liberates toxic gas.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
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.

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

DRM = dermal

OCC = ocular/corneal

OPT = optical

ING = ingestion

INH = inhalation

PCP = physico-chemical properties

[cont...]

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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.