

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIERS**1.1 Product identifiers**

Product Name: Ethyl Maltol

1.2 Recommended use of chemical and restrictions of use

Identified uses: Industrial chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheetCompany name: Baker & Co Ingredients Pty Ltd
Street Address: 15 Healey Circuit
Huntingwood NSW 2148
Australia

Telephone Number: +61 2 9612 6600

Facsimile: +61 2 9602 6866

Emergency Telephone: 1 300 682 868 (ALL HOURS)

2. HAZARD IDENTIFICATION**2.1 GHS classification(s)**

Acute Toxicity - Oral Category 4

2.2 GHS label elements, including precautionary statements

Pictogram(s)



Signal word: WARNING

Hazard statement(s)

H302 Harmful if swallowed

Precautionary statement(s)**Prevention**P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.**Response**P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell
P330 Rinse mouth**Storage**

None

Disposal

P501 Dispose of contents/container to an approved waste disposal plant

2.3 Poisons Schedule (SUSMP): None allocated

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Component principle	CAS number	EINECS number	Proportion [%w/w]
Ethyl Maltol	4940-11-8	225-582-5	>99%

4. FIRST AID MEASURES

4.1 General advice

Contact a Poisons information centre (In Australia ph 131 126; New Zealand ph 0800 764 766) or consult with a physician. Show this safety data sheet to the doctor in attendance.

4.2 Inhalation

Remove affected person into fresh air - avoid inhalation. Allow patient to assume comfortable position for breathing and keep warm. If not breathing, perform artificial respiration (CPR). Seek medical advice.

4.3 Skin Contact

Immediately remove any contaminated clothing, wash skin and hair with plenty of soap and water. If skin swelling, redness, blistering or other irritation occur, Seek medical advice.

Ensure contaminated clothing is washed before reuse.

4.4 Eye Contact

Rinse cautiously with plenty of water for at least 15 minutes. Seek medical advice.

4.5 Ingestion

If swallowed DO NOT induce vomiting. Rinse mouth with water. Consult a physician.

4.6 Most important symptoms and effects, both acute and delayed

These symptoms and effects are described in the GHS labelling elements (see section 2) and/or in section 11.

4.7 Indication of any immediate medical attention and special treatment needed.

No data available

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguisher equipment

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

5.3 Special protective equipment and precautions for fire fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Do not inhale vapours/aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate personnel to safe areas.

Further information regarding personal protection. (see Section 8)

6.2 Environmental precautions

Contain spill to prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise local emergency services.

6.3 Environmental materials for containment and cleaning up

Contain spillage and wipe up with absorbent material (e.g. cloth, fleece) or by wet-brushing and place in container for disposal according to local regulations.

6.4 Reference to other sections

For further information regarding disposal, see Section 13

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour and mist. Keep away from sources of ignition - No smoking, flares, sparks or flames. Take measures to prevent the build up of electrostatic charge.

For precautions, see Section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry and well-ventilated place.

7.3 Specific end use(s)

A part from the uses mentioned in Section 1.2 no other specific uses stipulated.

8. EXPOSURE CONTROLS/PERSONNEL PROTECTION**8.1 Control parameters**

Not aware of any national exposure limits

8.2 Exposure controls**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as Personal Protective Equipment (PPE)

Selection of PPE should be dependent on independent situational risk assessment. This assessment should consider the physical form of material, operational processes, and environmental factors.

Eye/face protection

Safety eyewear with side -shield conforming to AS/NZS 1337 part 1-6: Eye protectors for industrial applications.

Skin protection

Selection of protective gloves are to satisfy AS/NZS 2161 Set: 2008: Occupational protective gloves. Wear gloves when handling. Glove should be inspected for defects prior to use. Removal of gloves after use should avoid contact with skin. Dispose contaminated gloves after use in accordance with applicable laws and with typical good laboratory practice.

Body protection

Flame retardant antistatic protective clothing. Type of clothing must be selected according to concentration, amount and specific work process involving the substance.

Respiratory protection

Use full face respirator as a back up to engineering controls. Respiratory protective devices are to satisfy AS/NZS 1715:2009. Selection, use and maintenance of respiratory protective devices.

General

Always wash hands before smoking, eating drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage and re-use. Apply skin protective barrier cream.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Form:	Crystalline Powder
	Colour:	White
Odour:		Cotton candy, sweet, fruit-like flavour in diluted solution
Odour threshold:		no data available
pH:		no data available
Melting point/Freezing point:		89 - 92°C
Initial boiling point and boiling range:		290°C
Flash point:		>93°C
Evaporation rate:		no data available
Flammability:		no data available
Upper /lower flammability or explosive limits:	Upper:	no data available
	Lower:	no data available
Vapour pressure:		no data available
Vapour density:		no data available
Relative density:	@ 25/25°C	-
Solubility:		no data available
Partition coefficient: n-octanol/water:		no data available
Auto-ignition temperature:		°C
Decomposition temperature:		no data available
Viscosity:		no data available
Explosive properties:		no data available
Oxidizing properties:		no data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reaction

May form flammable/explosive vapour-air mixture

10.4 Conditions to avoid

Heat, flames and sparks

10.5 Incompatible material

No data available

10.6 Hazardous decomposition products

No data available

In the event of fire, see Section 5

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

LD50 Oral, rat: Dose: 1150 mg/kg

LD50 Dermal, rabbit: Dose: >5000 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional information

No data available

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Result of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

Contact a licensed professional waste disposal service to dispose of this material. Refer to Waste Management Authority.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**14.1 UN number**

ADR/RID: Not assigned IMDG: Not assigned IATA-DGR: Not assigned

14.2 UN proper shipping name

ADR/RID: Not regulated as dangerous goods

IMDG: Not regulated as dangerous goods

IATA-DGR: Not regulated as dangerous goods

14.3 Transport hazard class(es)

ADR/RID: Not assigned IMDG: Not assigned IATA-DGR: Not assigned

14.4 Packaging group

ADR/RID: Not assigned IMDG: Not assigned IATA-DGR: Not assigned

14.5 Environmental hazards for transport purposes

ADR/RID: not available IMDG: not available IATA-DGR: not available Marine pollutant: not available

14.6 Special precautions for user

See Section 6 - 8

14.7 Additional information

No data available

15. REGULATORY INFORMATION

Incumbent safety, health and environmental regulations for the substance(s).

Standard for the Uniform scheduling of Medicines and Poisons

Listed or Not listed in Schedule of POISONS STANDARD MARCH 2016

Carcinogen classification under WHS Regulation 2011, Schedule 10

Listed or Not listed in Workplace Exposure Standards for Airborne Contaminants

Notifications and assessment status

AICS: Listed and in compliance of this inventory database

DSL: All components of this product are on the Canadian DSL

ENCS: Listed and in compliance of this inventory database

IECSC: Listed and in compliance of this inventory database

ISHL: Listed and in compliance of this inventory database

KECI: Listed and in compliance of this inventory database - KE- 13879

NZIoC: Listed and in compliance of this inventory database - Maybe used as a single component chemical under appropriate group standard

PICCS: Listed and in compliance of this inventory database

16. OTHER INFORMATION

Reason(s) for issue

Alignments to GHS requirements

Further information

All information is believed to be correct but is not purport to be all inclusive and should be used as a general guidance only.

Information to the best of our knowledge date of issue and is applicable to the product with regards to appropriate safety precautions.

Baker & Co Ingredients Pty Ltd and its affiliates shall not be held liable for any damages resulting from handling or from contact with the above mentioned material(s).

Baker & Co Ingredients Pty Ltd's responsibilities for material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

If further information or clarification is needed related to this document , contact Baker & Co Ingredients Pty Ltd and its representatives at the contact details in Section 1.