



SAFETY DATASHEET

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This datasheet is prepared in accordance with EU regulations 1907/2006 as amended by 2015/830 and 2020/878

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

1.1 Product Identifier

Name of material: Methyl 3-oxo-2-pentylcyclopentaneacetate

REACH registration number: 01-2119493355-31-xxxx

IUPAC name: Methyl 3-oxo-2-pentylcyclopentaneacetate

1.2 Relevant identified uses of the mixture and uses advised against

Fragrances, not to be used for flavours

1.3 Details of the supplier of the safety data sheet

Augustus Oils Ltd

Augustus House

Mill Lane

Alton, Hants,

GU34 2QG

UK

Tel: +44 (0)1420 590 555

essentials@augustus-oils.ltd.uk

1.4 Emergency telephone number

+44 (0)1420 590 555 (office hours only)

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not hazardous according
to EC 1272/2008

2.2 Label elements

Symbols:

Signal word :

Hazard statements :

Precaution statements :

2.3 Other hazards

None known

Section 3 Composition/Information on Ingredients

3.1 Substance

Identifiers:

Name of material: Methyl 3-oxo-2-pentylcyclopentaneacetate

Characterisation: Esters of Monocarboxylic acids with additional oxygen function

CAS number: 24851-98-7

EC number: 246-495-9

Information on constituents present contributing to the hazard classification

For full text of H phrases and hazard abbreviations see section 16

3.2 Mixtures - not applicable

Section 4 First Aid Measures

4.1 Description of first aid measures

4.1.1 General information

In case of accident or if you feel unwell, seek medical advice immediately (show label or SDS if possible).

Inhalation : In the case of excessive inhalation move the exposed person to fresh air and keep at rest in a comfortable position. If symptoms persist get prompt medical attention.

Skin contact : Remove/take off and wash all contaminated clothing. Wash off skin immediately with plenty of water, using soap if available. If there is any sign of tissue damage or persistent irritation, get medical advice.

Eye contact : Rinse the eyes immediately with plenty of water. If there is any sign of tissue damage or persistent irritation, get prompt medical attention.

Ingestion : Rinse mouth with water. If they are conscious, have exposed person drink 200 ml of water. Do not induce vomiting. Obtain medical advice.

4.1.2 Extra information

Refer to section 4.1.1 to determine if any immediate medical attention is required; whether remove of the person to fresh air; or removal of shoes and clothing is recommended.

Delayed effects after exposure – Unknown

First aid responders should refer to section 2.2 for details of recommended personal protective equipment

4.2 Most important symptoms and effects, both acute and delayed

The most important symptoms and effects are described in section 2.2 (and on the label). Toxicological effects are described in section 11 of this data sheet.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically

Section 5 Firefighting measures

5.1 Extinguishing media

Extinguish with carbon dioxide, dry powder or foam
Do not use direct water jet

5.2 Special hazards arising from the substance or mixture

As a result of combustion or thermal decomposition dangerous products (CO, CO₂, NO_x) and toxic gases can be formed.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus and full body protection
Cool containers exposed to fire with water spray
Collect contaminated fire extinguishing water separately, do not discharge into drains.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Follow precautions for the safe handling of this material as described by this safety data sheet. Provide adequate ventilation. Avoid flames or other sources of ignition. Avoid inhalation of vapours. Avoid contact with skin and eyes.

6.2 Environmental precautions

Contain the spillage as far as possible. Do not allow any spillage to enter drains or local water courses. Notify the relevant authority if material contaminates either of these.

6.3 Methods and material for containment and cleaning up

Remove all sources of ignition, provide effective ventilation. Absorb material with inert, non-combustible material (sand, earth, vermiculite). Transfer to a suitable container for disposal. Dispose according to local/national regulation (see section 13).
Clean spill site after material disposal is complete.

6.4 Reference to other sections

See sections 8 and 13

Section 7 Handling and storage

7.1 Precautions for safe handling

Ensure that the working area is well ventilated. Maintain order and cleanliness. Fully control sources of ignition. Avoid contact with eyes and skin. Wear protective clothing and glasses. Do not breathe vapours. Clean all spillages immediately (see section 6). Observe good hygiene practices. Do not eat, drink or smoke in work areas. Wash hands after use and before breaks. Remove any contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including an incompatibilities

Store in full, dry, airtight containers between 5 - 25°C, away from sources of heat and light

7.3 Specific end uses

Data not available.

Section 8 Exposure controls/personal protection

8.1 Control parameters

Methyl 3-oxo-2-pentylcyclopentaneacetate

Exposure controls - Derived No Effect Level (DNEL)

Workers

Inhalation - Long term, systemic	29.3 mg/m ³
Dermal - Long term, systemic	9.04 mg/kg bw/day

General population

Inhalation - Long term, systemic	8.69 mg/m ³
Dermal - Long term, systemic	5.43 mg/kg bw/day
Oral - Long term, systemic	2.5 mg/kg bw/day

Environmental - Predicted No Effect Concentration (PNEC)

Fresh water	15.8 ug/l
Marine water	1.58 ug/l
Sewage treatment plant	10 mg/l
Fresh water sediment	0.806 mg/kg dry weight
Marine water sediment	0.081 mg/kg dry weight
Soil	0.026 mg/kg dry weight

8.2 Exposure controls

General work place measures

Wear protective work clothing and footwear. Do not eat, drink or smoke whilst working. Ensure the working area is well ventilated. Provide access to emergency showers and eye wash stations.

Eye/face protection

Wear tightly fitting goggles.

Skin protection

Wear suitable protective gloves of nitrile or butyl-rubber composition.

Respiratory protection

If the working area is well ventilated, no specific respiratory protective equipment is required.

Environmental exposure controls

Do not allow material to enter drains or local water courses. Avoid subsoil penetration. If materials contaminate the local environment, contact the relevant authorities.

Section 9 Physical/chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Colourless to pale yellow liquid
Odour:	Sweet, floral.
Odour threshold:	Data not available
pH:	Data not available
Melting point:	Data not available
Boiling point:	109 to 112°C @ 0.2 mm/Hg
Flash point:	>100°C
Evaporation rate:	Data not available
Flammability:	Data not available
Upper flammability limit:	Data not available
Lower flammability limit:	Data not available
Upper explosive limit:	Data not available
Lower explosive limit:	Data not available
Vapour pressure:	Data not available
Vapour density:	Data not available
Vapour density:	Data not available
Relative density:	1.003 @ 20°C
Solubility:	Data not available
Partition coefficient n-o:	2.5
Auto ignition temperature:	Data not available
Decomposition temperature:	Data not available
Viscosity:	Data not available
Explosive properties:	Data not available
Oxidising properties:	Data not available

9.2 Other information

No relevant information available

Section 10 Stability and reactivity

10.1 Reactivity

This material is non-reactive under normal conditions of use and storage, see section 7

10.2 Chemical stability

This material is stable under normal conditions of use and storage, see section 7.

10.3 Possibility of hazardous reactions

When handled and stored under the conditions set out in section 7 it is not expected that will be any hazardous reactions leading to excessive temperatures or pressures.

10.4 Conditions to avoid

Heat, flames and sparks. Extremes of temperature. Direct sunlight

10.5 Incompatible materials

Oxidising agents, reducing agents, acids, bases, Nitric acid

10.6 Hazardous decomposition products

No specific products known. In the event of fire refer to section 5 for products of combustion.

Section 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: LD50 Oral Rat >5000 mg/kg
LD50 Darmal Rabbit >5000 mg/kf

Skin corrosion/irritation: Data not available

Serious eye damage/irritation: Data not available

Respiratory or skin sensitisation: Data not available

Germ cell mutagenicity: Data not available

Carcingenicity: Data not available

Reproductive toxicity: Data not available

STOT - single exposure: Data not available

STOT - repeat exposure: Data not available

Aspiration hazard: Data not available

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties: Data not available

11.2.2 Information on other hazards: Data not available

Section 12 Ecological information

12.1 Toxicity

Acute toxicity Daphnia (OECD 202): EC50 > 16.1 mg/l

12.2 Persistance and degradability

Data not available

12.3 Bioaccumulative potential:

Data not available

12.4 Mobility in soil

Data not available

12.5 Results of PTB and vPvB assessment:

Data not available

12.6 Endocrine disrupting properties:

Data not available

12.7 Other adverse effects:

Data not available

Section 13 Disposal conditions

13.1 Waste treatment methods

Product - Treat any unused product as hazardous waste. Do not let product enter drains. Contact waste disposal services and dispose of material in accordance with local regulations.

Contaminated packaging

- Treat packaging in the same manner as the product.

Section 14 Transport information

14.1 **UN number:** Not hazardous for transport

14.2 **Proper shipping name:** -

14.3 **Transport hazard class(es):** -

14.4 **Packing group:** -

14.5 **Environmental hazards:** No

14.6 **Special precautions for user:** Tunnel Code (ADR) : ---

14.7 **Transport in bulk according to IMO instruments:** Not applicable

Section 15 Regulatory information

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

Statutory instrument SI 2009 No 716 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009

Regulation 2037/2000 Substances that deplete the ozone layer : Not applicable

Regulation EC 689/2008 Concerning the import and export of dangerous chemicals : Not listed

Regulation EC 1907/2006 REACH : Not a candidate for authorisation

15.2 Chemical safety assessment

No data available

Section 16 Other information

Changes since the last update:

List of abbreviations used in section 2 to 15:

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