SAFETY DATA SHEET

1. Identification of Product

Product Identifier

Product Name: **Methyl 3-[(3-Formylphenoxy)methyl]benzoate**
Product Code: AH001175
CAS Number: 148254-63-1
MFCD Number: MFCD19705409

Relevant Identified Uses of Substance or Mixture and Uses Advised Against

Research and Development use

Supplier Details of the Safety Data Sheet

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2. Hazards Identification

Classification of the Substance or Mixture

Skin irritation (category 2)
Eye irritation (category 2)
STOT single exposure (category 3)
Acute toxicity, dermal (category 4)
Acute toxicity, oral (category 4)
Acute toxicity, inhalation (category 4)

Label Elements



Signal Word: Warning

Hazard Statements

H302 – Harmful if swallowed.
H312 – Harmful in contact with skin.
H332 – Harmful if inhaled.
H319 – Causes serious eye irritation.
H335 – May cause respiratory irritation.
H315 – Causes skin irritation.

Precautionary Statements

P260 – Do not breathe dust/fumes/gas/mist/vapours/spray.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+ P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.

Other Hazards

No information available.

3. Composition/Information on Ingredients

Substances

Methyl 3-[(3-Formylphenoxy)methyl]benzoate
CAS number: 148254-63-1

Mixtures

Concentration	Product Name	CAS number:	EC/EINECS:

4. First Aid Measures

Description of First Aid Measures

Skin Contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye Contact	If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Most Important Symptoms and Effects
No data.
Indication of any Immediate Medical Attention
No additional measures required.

5. Fire Fighting Measures

Extinguishing Media

Suitable	Carbon dioxide. Dry chemical powder or foam. Sand.
Unsuitable	Water.

Special Hazards Arising from the Substance or mixture
In combustion emits carbon oxides.
Advice for Fire Fighters
Wear self contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Released Measures

Personal Precautions
Do not attempt to take action without suitable protective clothing – see section 8 of SDS.
Do not create dust.
Evacuate the area immediately.
Environmental Precautions
Do not discharge into drains or rivers.
Methods & Materials
Mix with sand or vermiculite.
Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. Handling and Storage

Personal Precautions

Safe Handling	Ensure there is sufficient ventilation of the area.
Protection against explosions and fires	Do not eat, drink or smoke when using this product. Remove/take off immediately all contaminated clothing. Take off contaminated clothing and wash before reuse. Wash hands thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Managing storage risks	Store in a cool, well ventilated area. Keep container tightly closed. Store under an inert atmosphere.
Storage controls	Do not store in conditions of high (or highly fluctuating) temperature.
Maintaining integrity	Keep container tightly closed.
Other advice	Store in a well ventilated place.

Specific End Uses
The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

Control Parameters
No data available.
Exposure Controls

General protective and hygiene measures	Wear protective gloves/protective clothing/eye protection/face protection. Wash hands during breaks and at the end of handling the material. Immediately remove any contaminated clothing.
Engineering measures	Use only outdoors or in a well ventilated area.
Eye/face protection	Safety glasses with side shields.
Hand protection	Protective gloves.
Respiratory protection	Do not breathe dust/fumes/gas/vapours/spray. Use breathing protection with high concentration.
Skin protection	Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practice. Wash and dry hands. Protective clothing.
Other personal protection advice	No data.

9. Physical and Chemical Properties

Physical and Chemical Properties

Molecular formula:	C16 H14 O4
Molecular weight:	270.285

Information on basic physical and chemical properties

a) Appearance:	Solid
b) Odour:	No data.
c) Odour threshold:	No data.
d) pH:	No data.
e) Melting point/freezing point:	No data.
f) Initial boiling point and boiling range:	No data
g) Flash point:	No data
h) Evaporation rate:	No data.
i) Flammability (solid, gas):	No data.
j) Upper/lower flammability or explosive limits:	No data.
k) Vapour pressure:	No data.
l) Vapour density:	No data.
m) Relative density:	No data.
n) Solubility(ies):	No data.
o) Partition coefficient: n-octanol/ water:	No data.
p) Auto-ignition temperature:	No data.
q) Decomposition temperature:	No data.
r) Viscosity:	No data.
s) Explosive properties:	No data.
t) Oxidizing properties:	No data.

Other Information

No additional information.

10. Stability and Reactivity

Reactivity

No unusual reactivity.

Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

No hazardous reactions known.

Conditions to avoid

Do not expose material to any source of ignition.
Avoid moist atmosphere.

Incompatible Materials

Oxidising agents.

Hazardous Decomposition Products

In combustion emits carbon oxides.

11. Toxicology Information

Information

Acute toxicity:	No data
Skin corrosion/irritation:	No data
Serious eye damage:	No data
Respiratory or skin sensitisation:	No data.
Germ cell mutagenicity:	Not known.
Carcinogenicity:	Not known.
Reproductive toxicity:	Not known.
Aspiration hazard:	Not known.

Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

12. Ecological Information

Toxicity

Not known.

Persistance and Degradability

Not known.

Bio-Accumulative Potential

Not known.

Mobility in Soil

Not known.
Results of PBT & PvB Assessment
Not known.
Other Adverse Effects
Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

13. Exposure Controls/Personal Protection

Waste Treatment Methods

Disposal operations Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Disposal of packaging Disposal must be made according to official regulations.

14. Transport Information

Air (ICAO)

1. UN Number: Not regulated.
2. UN Proper shipping name: Not applicable.
3. Transport hazard class(es): Not applicable.
4. Packing group: Not applicable.
5. Environmental hazards: Not applicable.
6. Special precautions for user: Not applicable.
7. Transport in bulk: Not applicable.

Road (ADR)

1. UN Number: Not regulated.
2. UN Proper shipping name: Not applicable.
3. Transport hazard class(es): Not applicable.
4. Packing group: Not applicable.
5. Environmental hazards: Not applicable.
6. Special precautions for user: Not applicable.
7. Transport in bulk: Not applicable.

Sea (IMDG)

1. UN Number: Not regulated.
2. UN Proper shipping name: Not applicable.
3. Transport hazard class(es): Not applicable.
4. Packing group: Not applicable.
5. Environmental hazards: Not applicable.
6. Special precautions for user: Not applicable.
7. Transport in bulk: Not applicable.

15. Safety, Health and Environmental Regulations

Safety, Heath and Environmental Regulations:
Product is not subject to any additional regulations.
Safety Assessment
No chemical Safety Assessment

16. Other Information

ADR: Accord Europeen sur le transport des merchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement International concernant le transport des merchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the ICAO
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service
Associated Risk Phrases According to European Directives 67/548/EEC

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin

Disclaimer
The product is listed for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information

gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this safety data sheet, or in combination with any other product or process is the responsibility of the user.