

Safety Data Sheet acc. to OSHA HCS

Printing date 08/24/2018

Reviewed on 03/31/2018

1 Identification

- **Product identifier**
- **Trade name: Phenyl Propyl Alcohol natural**
- **Product number:** 1598
- **CAS Number:**
122-97-4
- **EC number:**
204-587-6
- **Application of the substance / the mixture** Food flavorings
- **Details of the supplier of the safety data sheet**
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- **Manufacturer/Supplier:**
Advanced Biotech
10 Taft Road
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- **Information department:**
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- **Emergency telephone number:**
1(800)535-5053 (Info Trac)
1(352)323-3500 (International)
During normal business hours: 1(973)339-6242

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Irrit. 2 H315 Causes skin irritation.

- **Label elements** Harmful in contact with skin or if inhaled.

- **GHS label elements**

Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible.

The substance is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

H315 Causes skin irritation.

· **Precautionary statements**

P264 Wash thoroughly after handling.

P280 Wear protective gloves.

P302+P352 If on skin: Wash with plenty of water.

P321 Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1

Fire = 1

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Substances**

· **CAS No. Description**

122-97-4 3-Phenyl-1-propanol

· **Identification number(s)**

· **EC number:** 204-587-6

4 First-aid measures

· **Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

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- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
 No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
 No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 CO2, powder or alcoholresistant foam.
 CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**
 Cool endangered receptacles with water spray.
 Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**
 Substance is not listed.

· **PAC-2:**
 Substance is not listed.

· **PAC-3:**
 Substance is not listed.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as a basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
 The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

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9 Physical and chemical properties

| | | | | | | | | | |
|--|---|------------------------------|-----------------------------------|------------------------------|--|--------------|--------|--|-----------------------|
| <ul style="list-style-type: none"> · Information on basic physical and chemical properties · General Information · Appearance: <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 10px;">Form:</td> <td>Liquid</td> </tr> <tr> <td>Color:</td> <td>According to product specification</td> </tr> </table> · Odor: According to product specification · Odor threshold: Not determined. | | Form: | Liquid | Color: | According to product specification | | | | |
| Form: | Liquid | | | | | | | | |
| Color: | According to product specification | | | | | | | | |
| · pH-value: | Not determined. | | | | | | | | |
| <ul style="list-style-type: none"> · Change in condition <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 10px;">Melting point/Melting range:</td> <td>-18 °C (-0.4 °F)</td> </tr> <tr> <td>Boiling point/Boiling range:</td> <td>119-121 °C (246.2-249.8 °F) (@ 12 mm Hg)</td> </tr> </table> | | Melting point/Melting range: | -18 °C (-0.4 °F) | Boiling point/Boiling range: | 119-121 °C (246.2-249.8 °F) (@ 12 mm Hg) | | | | |
| Melting point/Melting range: | -18 °C (-0.4 °F) | | | | | | | | |
| Boiling point/Boiling range: | 119-121 °C (246.2-249.8 °F) (@ 12 mm Hg) | | | | | | | | |
| · Flash point: | 120 °C (248 °F) | | | | | | | | |
| · Flammability (solid, gaseous): | Not applicable. | | | | | | | | |
| · Ignition temperature: | 430 °C (806 °F) | | | | | | | | |
| · Decomposition temperature: | Not determined. | | | | | | | | |
| · Auto igniting: | Not determined. | | | | | | | | |
| · Danger of explosion: | Product does not present an explosion hazard. | | | | | | | | |
| <ul style="list-style-type: none"> · Explosion limits: <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 10px;">Lower:</td> <td>Not determined.</td> </tr> <tr> <td>Upper:</td> <td>Not determined.</td> </tr> </table> | | Lower: | Not determined. | Upper: | Not determined. | | | | |
| Lower: | Not determined. | | | | | | | | |
| Upper: | Not determined. | | | | | | | | |
| · Vapor pressure at 20 °C (68 °F): | 0.5 hPa (0.4 mm Hg) | | | | | | | | |
| <ul style="list-style-type: none"> · Density at 20 °C (68 °F): 1.003 g/cm³ (8.37004 lbs/gal) · Relative density: Not determined. · Vapor density: Not determined. · Evaporation rate: Not determined. | | | | | | | | | |
| <ul style="list-style-type: none"> · Solubility in / Miscibility with <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 10px;">Water:</td> <td>Not miscible or difficult to mix.</td> </tr> </table> | | Water: | Not miscible or difficult to mix. | | | | | | |
| Water: | Not miscible or difficult to mix. | | | | | | | | |
| <ul style="list-style-type: none"> · Partition coefficient (n-octanol/water): Not determined. | | | | | | | | | |
| <ul style="list-style-type: none"> · Viscosity: <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 10px;">Dynamic:</td> <td>Not determined.</td> </tr> <tr> <td>Kinematic:</td> <td>Not determined.</td> </tr> <tr> <td>VOC content:</td> <td>0.00 %</td> </tr> <tr> <td></td> <td>0.0 g/l / 0.00 lb/gal</td> </tr> </table> | | Dynamic: | Not determined. | Kinematic: | Not determined. | VOC content: | 0.00 % | | 0.0 g/l / 0.00 lb/gal |
| Dynamic: | Not determined. | | | | | | | | |
| Kinematic: | Not determined. | | | | | | | | |
| VOC content: | 0.00 % | | | | | | | | |
| | 0.0 g/l / 0.00 lb/gal | | | | | | | | |
| · Other information | No further relevant information available. | | | | | | | | |

10 Stability and reactivity

· Reactivity No further relevant information available.

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- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
 No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)

| | | |
|--------|------|----------------------|
| Oral | LD50 | 2,300 mg/kg (rat) |
| Dermal | LD50 | 5,000 mg/kg (rabbit) |

CAS: 122-97-4 3-Phenyl-1-propanol

| | | |
|--------|------|----------------------|
| Oral | LD50 | 2,300 mg/kg (rat) |
| Dermal | LD50 | 5,000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

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- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (Assessment by list): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

| | |
|--|--|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Not Regulated |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Not Regulated |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Not Regulated |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Not Regulated |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | Not Regulated |

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15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **GHS label elements**

Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible.
 The substance is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

H315 Causes skin irritation.

· **Precautionary statements**

P264 Wash thoroughly after handling.

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- P280 Wear protective gloves.
- P302+P352 If on skin: Wash with plenty of water.
- P321 Specific treatment (see on this label).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product Safety Department

- **Contact:**

Product Safety Department
 productsafety@adv-bio.com

- **Date of preparation / last revision** 08/24/2018 / -

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Skin Irrit. 2: Skin corrosion/irritation – Category 2