

# SAFETY DATA SHEET

According to Title 29 of US Code of Federal Regulations 1910.1200.



## 660354 PHENYLACETALDEHYDE

Version 13.0

Print Date: 03/03/2020

Revision Date: 02/28/2020

### SECTION 1. IDENTIFICATION

Product name : PHENYLACETALDEHYDE  
000000000000660354  
Product code : 660354  
Customer Material No. : PHENYL ACETALDEHYDE

#### Manufacturer or supplier's details

Company name of supplier : Symrise , Inc.  
Address : 300 North Street  
Teterboro NJ 07608  
Telephone : (201) 288-3200  
Telefax : (201) 288-0843  
E-mail address : msds-us@symrise.com  
Emergency telephone number : +1-800-535-5053 (ID# 101844)  
+1-352-323-3500 (Outside US)

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 4  
Acute toxicity (Oral) : Category 4  
Skin corrosion : Category 1B  
Serious eye damage : Category 1  
Skin sensitisation : Sub-category 1B

#### GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H227 Combustible liquid.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/

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face protection.

### Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

### Disposal:

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

### Hazards Not Otherwise Classified (HNOC)

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	: Benzeneacetaldehyde
Synonyms	: Phenylacetaldehyde
Chemical Family	: Aromatic Aldehydes
CAS-No.	: 122-78-1
Molecular formula	: C8-H8-O
FEMA Number	: listed

## SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.  
Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

Symptoms of poisoning may appear several hours later.

If inhaled : If unconscious, place in recovery position and seek medical advice.

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- If symptoms persist, call a physician.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
- Environmental precautions : Try to prevent the material from entering drains or water courses.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for : Contain spillage, and then collect with non-combustible

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containment and cleaning up : absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Use only with adequate ventilation.  
Do not breathe vapours/dust.  
For industrial use only.  
Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.  
Take care to avoid waste and spillage when weighing, loading and mixing the product.

Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

We are not aware of any national exposure limit.  
IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavor Industry)(<http://www.iofiorg.org/>). IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavor Industry)(<http://www.iofiorg.org/>). Category 11 includes all non-skin contact or incidental skin contact products. Due to the negligible skin contact from these types of products there is no justification for a restriction of the concentration of this fragrance ingredient in the finished product. Listed

#### Personal protective equipment

Respiratory protection : In the absence of adequate ventilation, a respirator, appropriate for the specific workplace conditions, is recommended.

Eye protection : Wear chemical resistant goggles and/or face shield.

Skin and body protection : Wear suitable gloves.

Protective measures : Engineering controls providing adequate ventilation (such as

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hoods, point source or whole room ventilation systems for liquids and dust collection systems for dusts) are recommended as the primary method to minimize workplace exposure. When adequate ventilation cannot be achieved, the use of an appropriate respiratory protection device is recommended.

Established TLV/ TWA or PEL values should be used when possible.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : clear liquid  
Colour : colorless to pale yellow  
Odour : characteristic

Setting point : < -100 °C  
(ca. 1,007 hPa)  
Method: OECD Test Guideline 102  
GLP: no

Boiling point/boiling range : 187 - 188 °C  
(1,013.0 hPa)  
Method: OECD Test Guideline 103  
GLP: no

Flash point : 181 °F / 83 °C

Vapour pressure : 2.090 hPa (20 °C) / 1.568 mmHg (20 °C)  
Method: OECD Test Guideline 104  
GLP: no

2.670 hPa (25 °C) / 2.003 mmHg (25 °C)  
Method: OECD Test Guideline 104  
GLP: no

8.200 hPa (50 °C) / 6.151 mmHg (50 °C)  
Method: OECD Test Guideline 104  
GLP: no

Relative density : 1.0260 - 1.0360 (20 °C)  
Method: OECD 109  
GLP: no  
relation to density of water at 4°C

Solubility(ies)  
Water solubility : 17.7 - 18.3 g/l immiscible (20 °C)  
Method: OECD Test Guideline 105  
GLP: yes

Partition coefficient: n- : log Pow: 1.44 (25 °C)



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- Genotoxicity in vitro
- : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Method: OECD 471  
Result: negative  
GLP: yes
  - : Test Type: In vitro Mammalian Cell Gene Mutation Test  
Test species: V79 cells  
Metabolic activation: with and without metabolic activation  
Method: OECD 476  
Result: negative  
GLP: yes
  - : Test Type: In Vitro Mammalian Cell Micronucleus Test  
Test species: Human lymphocytes  
Metabolic activation: with and without metabolic activation  
Method: OECD 487  
Result: negative  
GLP: yes

### Carcinogenicity

IARC Not listed

OSHA Not listed

NTP Not listed

### Reproductive toxicity

No data available

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

- Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 6.2 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 20 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: Directive 67/548/EEC, Annex V, C.2.  
GLP: yes
- Toxicity to algae : EC10 (Pseudokirchneriella subcapitata (green algae)): 0.86 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test

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Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

EC50 (Pseudokirchneriella subcapitata (green algae)): 1.6 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

### Persistence and degradability

Biodegradability : Test Type: Closed Bottle test  
Result: Readily biodegradable.  
Biodegradation: 69 %  
Exposure time: 28 d  
Method: OECD 301D  
GLP: yes

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

Additional ecological information : Harmful to aquatic life with long lasting effects.  
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.  
Observe, local, state and federal regulations.  
Do not dispose of waste into sewer.  
Discharge into the environment must be avoided.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.  
Where possible recycling is preferred to disposal or incineration.



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### SECTION 14. TRANSPORT INFORMATION

#### 49CFR Road 0 – 25 kg

UN Number : 3265  
Description of the goods : UN 3265 Corrosive liquid, acidic, organic, n.o.s.  
(PHENYLACETALDEHYDE),8,II"

Class : 8  
Packaging group : II  
ERG.No : 153  
Marine pollutant : no

#### 49CFR Road 25 – 400 kg

UN Number : 3265  
Description of the goods : UN 3265 Corrosive liquid, acidic, organic, n.o.s.  
(PHENYLACETALDEHYDE),8,II"

Class : 8  
Packaging group : II  
ERG.No : 153  
Marine pollutant : no

#### 49CFR Road > 400 kg

UN Number : 3265  
Description of the goods : UN 3265 Corrosive liquid, acidic, organic, n.o.s.  
(PHENYLACETALDEHYDE),8,II"

Class : 8  
Packaging group : II  
ERG.No : 153  
Marine pollutant : no

#### IMDG

UN Number : 3265  
Description of the goods : UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(PHENYLACETALDEHYDE),8,PGII

Class : 8  
Packaging group : II  
ADR/RID-Labels : 8  
EmS Number 1 : F-A  
EmS Number 2 : S-B  
Marine pollutant : no

#### IATA-DGR

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UN Number	:	3265
Description of the goods	:	Corrosive liquid, acidic, organic, n.o.s. (PHENYLACETALDEHYDE)
Class	:	8
Packaging group	:	II
Cargo \ Packing Instruction	:	855
Qty / Pkg.	:	30.00 L
Passenger\Packing	:	851
Instruction Qty / Pkg.	:	1.00 L

### SECTION 15. REGULATORY INFORMATION

#### TSCA list

TSCA - 12(b) Export Notification List of Chemicals	:	Not listed
TSCA - 5(a) Significant New Use Rule List of Chemicals	:	Not listed

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

<b>SARA 311/312 Hazards</b>	:	Fire Hazard Acute Health Hazard
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<b>SARA 302</b>	:	This material does not contain any components with a SARA 302 RQ.
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<b>SARA 313</b>	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
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#### New Jersey Right To Know

Not listed

#### California Prop 65

Not listed

### SECTION 16. OTHER INFORMATION

Revision Date	:	02/28/2020
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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