



MATERIAL SAFETY DATASHEET

Date of Issue: 20/01/2020	Document No: VRI/MSDS/01-021
Revision Date: 11/07/2020	Revision No: 01

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Bitter Almond Essential Oil			
Biological Definition		Prunus Amygdalus Dulcis Oil is the fixed oil obtained from the ripe seed kernel of the Sweet Almond Tree, Prunus amygdalus var. dulcis, Rosaceae			
INCI Name		<i>Prunus amygdalus dulcis oil</i>			
Synonyms & Trade Names		---			
CAS-No	8007-69-0 / 90320-37-9	EC No.	291-063-5	EINECS No.	N/A
1.2 Relative identified uses of the substance or mixture and uses advised against					
Industrial uses. Formulation [mixing] of preparations. Uses advised against: Other uses than those recommended.					
1.3 Details of the supplier of the safety data sheet					
VENKATRAMNA INDUSTRIES, Talaya Chauki, Kannauj-209725, (UP) INDIA					
1.4 Emergency Tel. No.		+91-9554075786			

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Classification according to the Regulation (EC) No 1272/2008. Sensitization — Skin, Hazard Category 1; H317.	
2.2 Label Elements	
Signal Word	Warning
Hazard Statements	
H317: May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects.	
Precautionary Statements	
P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves.	

P302+P352: IF ON SKIN: Wash with plenty of water.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
 P281: Use personal protective equipment as required.
 P331: Do NOT induce vomiting.
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes.

Supplementary Precautionary Statements

2.3 Other Hazards

May cause skin irritation/allergy. Patch test recommended.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Benzaldehyde, CAS# 100-52-7

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep at rest. May cause nausea, headache, dizziness, unconsciousness, coma, irritation, and narcotic effects.
Ingestion	If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.
Skin Contact	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
Eye Contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: May cause eye irritation and corneal damage if not immediately rinsed out.
 Skin Contact: Repeated contact may cause allergic dermatitis.
 Inhalation: Breathing high concentrations of vapor may cause anesthetic effects.
 Ingestion: Do Not Induce vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical assistance : see point 4.1
 Immediate / special treatment : see point 4.1
 First aid specific means: eye wash fountain, safety shower should be available in the work area.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet

5.2 Special hazards arising from the product

Vapours may form explosive mixture with air – in case of fire, the following can be released: Carbon monoxide, Carbon dioxide, smoke, soot.

5.3	Advice for firefighters
	Use chemical protection clothing and self-contained breathing apparatus.


6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
	Use proper personal protective equipment. Avoid contact with skin, eyes and clothing. Take measures against static discharge. Remove all sources of ignition.
6.2	Environmental Precautions
	Avoid contaminating the environment via the sewers or water sources.
6.3	Methods and material for containment and cleaning up.
	Keep away from heat and use non-combustible absorbing sawdust (sand, specific binder). Refer to point 13 for the appropriate methods of waste treatment.
6.4	Reference to other sections
	See also sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling	
	Keep away from food, drink and animal feedingstuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.
7.2	Conditions for safe storage, including any incompatibilities
	Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.
7.3	Specific end use(s)
	Use as odour agent / flavouring agent - the information of this section are not related to the use of the product in combination with any other material or any other process altering its characteristics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
Declaration of substances is not required	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.

Respiratory Equipment	For high concentrations use respiratory equipment.
Hand Protection	Chemical resistant gloves (PVC)
Eye Protection	Wear approved safety goggles.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorized companies.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Yellow Liquid
Color	No data available
Odor	Bitter-Almond
Relative Density	No data available
Flash Point (°C)	64 °C
Refractive Index	1.425 - 1.470 (20 °C)
Melting Point (°C)	No additional data available
Boiling Point (°C)	No additional data available
Vapour Pressure	No additional data available
Solubility in Water @20°C	Slightly soluble in water.
Auto-ignition temperature (°C)	No additional data available
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No dangerous reactions known.	
10.2 Chemical stability	
Stable under normal operating conditions.	
10.3 Possible hazardous reactions	
Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.	
10.4 Conditions to Avoid	
Heat, flames and other sources of ignition. No special precautions other than good housekeeping of chemicals.	
10.5 Incompatible materials	
Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.	
10.6 Hazardous Decomposition Products	
Carbon monoxide and other unidentified organic compounds may be formed upon combustion.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Skin corrosion / irritation	May be irritating to skin
Serious eye damage / irritation	May be irritating to eyes. Prompt rinsing and removal of the substance will avoid damage.
Respiratory or skin sensitization	Breathing high concentrations of vapor may cause anesthetic effects.
Germ Cell Mutagenicity	Not listed as mutagenic
Carcinogenicity	Not listed as carcinogenic
Reproductive toxicity	Not listed as reprotoxic
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	Not Specified
Photo-toxicity	Not listed as photo-toxic
Other Information	No additional data available
11.2 Information on the likely routes of exposure	
Skin/scalp contact.	
11.3 Symptoms related to the physical, chemical, and toxicological characteristics	
None known. Irritation of the eye if exposed. Redness of the skin if irritated	
11.4 Delayed and immediate effects and chronic effects from short-term and long-term exposure	
No Data Available	

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Aquatic life: hazard statement: H410 very toxic to aquatic life with long lasting effects.	
12.2 Persistence & degradability	
This substance to be considered as a readily biodegradable substance; based on its ready biodegradability, oil does not fulfil the criteria for persistence.	
12.3 Bioaccumulation Potential	
Hazard statement: H410 very toxic to aquatic life with long lasting effects.	
12.4 Mobility in soil	
No data available	
12.5 Results of PBT and vPvB Assessment	
No data available	
12.6 Other adverse effects	
Do not allow product to enter streams, sewers or other waterways.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site. Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road ---

UN No. SEA ---

UN No. AIR ---

14.2 UN proper shipping name

14.3 Transport hazard class(es)

ADR/RID/ADN Not regulated for transport

ADR/RID/ADN Class ---

IMDG Class ---

ICAO Class/Division ---

14.4 Packing group

ADR/RID/ADN Packing group ---

IMDG Packing group ---

ICAO Packing group ---

14.5 Environmental hazards

Do not allow to escape into environment, especially not into waterways, sewers or the sea.

14.6 Special precautions for user

EMS: Not allocated

Emergency Action Code: Not allocated

Hazard No. (ADR): Not allocated

Tunnel Restriction Code (E) Not assigned

14.7 Transport in bulk according to Annex II of MARPOL 73/78° and IBC Code

N/A

15. REGULATORY INFORMATION

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

Considered to be toxic to aquatic life.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	N/A
Other Information	None found

DISCLAIMER: This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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