



# SAFETY DATA SHEET

## INTERNATIONAL FLAVORS & FRAGRANCES

Product CINNAMALVA-IFF

Print Date 07.06.2024

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### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name	: CINNAMALVA-IFF
Sales Number	: 00033810
Cust. Material	: 00033810
SDS Number	: R00000216507

Use of the Substance/Mixture : Ingredient used in Flavour and/or Fragrance preparations

Company : PostalCode: 311606  
Zhejiang Jiande City, Hangzhou MamuRoad,Xiyatown18  
INTERNATIONAL FLAVORS & FRAGRANCES(HANGZHOU) CO.,  
LTD.

Telephone : +8657164735488

Emergency telephone number : +86 532 8388 9090

### 2. HAZARDS IDENTIFICATION

#### GHS-Classification

Acute toxicity, Category 3, Oral  
Acute toxicity, Category 4, Dermal  
Skin corrosion/irritation, Category 3  
Skin sensitisation, Sub-category 1B  
Short-term (acute) aquatic hazard, Category 3

#### GHS-Labeling

Symbol(s)



Signal word

Danger

Hazard statements

H301: Toxic if swallowed.  
H312: Harmful in contact with skin.  
H316: Causes mild skin irritation.  
H317: May cause an allergic skin reaction.  
H402: Harmful to aquatic life.

Precautionary statements

P261: Avoid breathing mist or vapours.  
P264: Wash skin thoroughly after handling.  
P280: Wear protective gloves/ protective clothing.  
P301 + P316 + P330: IF SWALLOWED: Get emergency medical help immediately. Rinse mouth.  
P302 + P352 + P317: IF ON SKIN: Wash with plenty of water. Get medical help.

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P333 + P317: If skin irritation or rash occurs: Get medical help. (7)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization	:	aliphatic nitriles
Molecular formula	:	C9H7N
Molecular weight	:	129.20 g/mol
CAS-No.	:	1885-38-7
EC-No.	:	217-552-5

### 4. FIRST AID MEASURES

Inhalation	:	Remove from exposure site to fresh air and keep at rest. If victim is unconscious, remove foreign bodies from the mouth. If victim has stopped breathing, give artificial respiration. Obtain medical advice.
Skin contact	:	Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.
Eye contact	:	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Ingestion	:	Rinse mouth with water and obtain medical advice.
Workplace facilities required	:	Where appropriate, use closed systems to transfer and process this material. If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

### Notes to physician

Risks	Toxic if swallowed.	Harmful in contact with skin. Causes mild skin irritation. May cause an allergic skin reaction.
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### 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Carbondioxide, dry chemical, foam.
Unsuitable extinguishing media	:	Do not use a direct waterjet on burning material.
Specific hazards during firefighting	:	Water may be ineffective.
Special protective equipment for	:	Wear self-contained breathing apparatus for firefighting if
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firefighters necessary.

Further information Standard procedure for chemical fires.

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### 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions	Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.
Environmental precautions	Keep away from drains, surface- and groundwater and soil. Page 4 (7)
Methods for cleaning up	Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

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## **7. HANDLING AND STORAGE**

### **Handling**

#### Advice on safe handling

Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.

If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air. Where chemicals are openly handled, access should be restricted to properly trained employees.

Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.

Advice on protection against fire and explosion : Keep away from ignition sources and naked flame.

### **Storage**

#### Requirements for storage areas and containers

Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed when not in use.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Verify if the substances declared in section 3 have relevant national exposure limits.

### **Appropriate engineering controls**

Where appropriate, use closed systems to transfer and process this material.

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If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

### Personal protective equipment

Respiratory protection

: Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation, etc. are sufficient.

If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used:

- a) while engineering controls and appropriate safe work practices and/or procedures are being implemented; or
- b) during short term maintenance procedures when engineering controls are not in normal operation or are not sufficient; or c) if normal operational workplace vapor concentration in the air is increased due to heat ;
- d) during emergencies; or
- e) if engineering controls and operational practices are not sufficient to reduce airborne concentrations below an established occupational exposure limit.

Hand protection

: Avoid skin contact. Use chemically resistant gloves.

Eye/face protection

: Use tight-fitting goggles, face shield or safety glasses with side shields if eye contact might occur.

Skin and body protection

: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

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Protective measures

: To the extent deemed appropriate, implement pre-placement and regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed to this material.  
To the extent deemed appropriate, use an experienced air sampling expert to identify and measure volatile chemicals that could be present in the workplace air to determine potential exposures and to ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Physical state : liquid  
Colour : colorless to pale yellow  
  
Odour : conforms to standard

#### Safety data

Flash point : 113 °C  
  
Vapour pressure : 0.02 hPa at 20 °C Note: Calculated  
  
Partition coefficient: n-octanol/water : log Pow: 1.840

### 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Direct sources of heat.  
  
Hazardous decomposition products : Note: Carbon monoxide, toxic fumes and unidentified organic compounds may be formed during combustion.  
  
Hazardous reactions : Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 (Rat) = 100 mg/kg  
Acute dermal toxicity : LD50 (Rabbit) = 1,100 mg/kg  
Skin irritation : No skin irritation (, Rabbit, 24 h)  
Sensitisation : Does not cause skin sensitisation. ( , human, 4.0% in petrolatum)

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

### 13. DISPOSAL CONSIDERATIONS

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations.  
  
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### 14. TRANSPORT INFORMATION

#### IATA

UN number :  
Description of the goods : 3276  
NITRILES, LIQUID, TOXIC, N.O.S. (CINNAMONITRILE)  
Labels : 6.1  
Packing group : III

#### IMDG

UN number :  
Description of the goods : 3276  
NITRILES, LIQUID, TOXIC, N.O.S. (CINNAMONITRILE)  
Labels : 6.1  
Packing group : III no  
Marine pollutant :

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### 15. REGULATORY INFORMATION

**HMIS Classification** Health hazard: 2  
Chronic Health Hazard: /  
Flammability: 1  
Physical and chemical hazards: 0

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### 16. OTHER INFORMATION

#### Further information

In December 2003, the National Institute for Occupational Safety and Health ("NIOSH") published an Alert on preventing lung disease in workers who use or make flavorings [NIOSH Publication Number 2004-110].

In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a report entitled "Respiratory Safety in the Flavor Manufacturing Workplace".

Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

The report published by FEMA also contains a list of "high priority" chemicals. If any of these chemicals are present in this product at a concentration  $\geq 1.0\%$  due to an intentional addition by IFF, the chemical(s) will be identified in this safety data sheet.

The information in this safety data sheet is based on the properties of the material known to IFF at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. For such a safety assessment International Flavors & Fragrances holds no responsibility. This document is not intended for quality assurance purposes.

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