

CERTIFICATE OF CONFORMITY WITH IFRA STANDARDS

This Certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoints described in each Standard.

This Certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.

CERTIFICATE DELIVERED



TO:

SCOPE OF THE CERTIFICATE:

INTRELEVEN ALDEHYDE

COMPULSORY INFORMATION:

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 50th Amendment to the IFRA Code of Practice (published February 2023), provided it is used in the following categories at a maximum concentration level of:

IFRA Categories [see Annex 1 below for details]	Product Type	Maximum Level of use (%)
IFRA Category 1	Toys / Lip products	Not suitable
IFRA Category 2	Deodorants/Antiperspirants/Body Spray	1.00
IFRA Category 3	Eye Products	0.50
IFRA Category 3	Facial Mask/Make up/Tissues	1.00
IFRA Category 4	EdT/Colognes unshaved skin	10.00
IFRA Category 4	Fine Fragrance unshaved skin	40.00
IFRA Category 4	Fragrancing creams (not baby)	10.00
IFRA Category 5A	Body Creams/Oil/Lotion, Foot care	1.00
IFRA Category 5A	Insect repellent wipes	10.00
IFRA Category 5A	Powder and Talc (not baby)	1.00
IFRA Category 5B	Facial moisturizer / cream / toner	1.00
IFRA Category 5C	Hand Creams / sanitizers , nail care	1.00
IFRA Category 5D	Baby cream / lotion / Oil / Powder	0.50
IFRA Category 6	Mouthwash, Toothpaste	Not suitable
IFRA Category 7A	Hair Dyes (rinse off)	1.00
IFRA Category 7B	Hair Spray / Hair styling aids / Hair dyes (leave on)	1.00
IFRA Category 8	Intimate wipes, Baby wipes, Tampons	0.50
IFRA Category 9	Rinse-off toiletries: Soap, Shower Gel, Shampoo, Conditioner, Scrubs, Foams	2.50
IFRA Category 10A	Laundry products, Household cleaners	2.50
IFRA Category 10A	Toilet seat wipes	0.50
IFRA Category 10B	Aerosol Air Fresheners	5.00
IFRA Category 11A	Feminine Hygiene, Toilet Paper, Diapers	1.00

IFRA Category 11B	Facial Tissue, Napkins, Paper Towels,	1.00
IFRA Category 12	Non-skin contact home fragrances, Candles, Incense, Plastics (not toys), Fuels, Paints, Car and Air fresheners	10-100 Generally unrestricted
IFRA Category 12	Cat litter, Scratch and sniff	10.00
IFRA Category 12	Incidental skin contact, Pot pourri, Reeds, Sachets, Polishes, Refills, Cold diffusion	10-100 Generally unrestricted

For other kinds of application or use at higher concentration levels, a new evaluation can be needed; please contact BC Fragrance

ADDITIONAL INFORMATION ABOUT INGREDIENTS

Information about presence and concentration of fragrance ingredients subject to IFRA Limits in the fragrance mixture INTRELEVEN ALDEHYDE is as follows:

Does not contain any substances restricted by the current IFRA Standards.

Regulatory Affairs Department

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: INTRELEVEN ALDEHYDE

Version: 6

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: INTRELEVEN ALDEHYDE

Other identifiers: None

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: BC Fragrance & Aromatics Mfg. Corp.

Company address: Unit 6G, 20 Lansbergh Place, 170 Tomas Morato Avenue, Quezon City, PH 1103

E-Mail address: sales@bcfragrance.com

Company phone: +639228076939

1.4 Emergency telephone number

Emergency phone: Poison Control Center Hotline: (02) 8524 1078

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Class and category of danger:

Flammable liquids, Category 4

Skin sensitisation, Category 1

Skin sensitisation, Sub-category 1B

2.2 Label elements

Signal word: Warning

Hazard statements:

H227: Combustible liquid.

H317: May cause an allergic skin reaction

Precautionary statements:

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P280: Wear protective gloves.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

SAFETY DATA SHEET

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Product: INTRELEVEN ALDEHYDE**Pictograms:****2.3 Other hazards****Other hazards:** None**Section 3. Composition / information on ingredients****3.2 Hazardous Components**

Component	CAS No.
undecenal (mixture of isomers)	1337-83-3
Phenol, (1,1-dimethylethyl)-4-methoxy-	25013-16-5

Section 4. First-aid measures**4.1 Description of 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.

Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

Section 5: Firefighting measures**5.1 Flammable properties**

Flash point: 174.20 °F (79.00 °C)

5.2 Fire fighting

Suitable extinguishing media : Use water spray, dry chemical, carbon dioxide or appropriate foam

SAFETY DATA SHEET

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5.3 Protective equipment and precautions for firefighters:

Special protective equipment for firefighters: Wear NIOSH approved self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals. Use water spray to cool containers exposed to fire.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions:

Keep away from drains, surface- and groundwater and soil.

6.3 Methods and material for containment and 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.

Section 7. Handling and storage

7.1 Precautions for 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.

7.2 Advice on protection against fire and explosion:

Keep away from ignition sources and naked flame

7.3 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..

Section 8. Exposure controls/personal protection

8.1 Engineering measures

Engineering measures:

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

SAFETY DATA SHEET

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8.2 Personal protective equipment

Eye / Skin Protection

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

Hand protection

Avoid skin contact. Use chemically resistant gloves.

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.

Hygiene 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.

Protective measures

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"

SAFETY DATA SHEET

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Product: INTRELEVEN ALDEHYDE

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.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : liquid

Appearance : CLEAR LIQUID

Colour : colorless

Safety data

Flash point : 174.20 °F (79.00 °C)

Vapour pressure : .04 hPa (0.04 hPa)

Note: Calculated

Relative density (20 °C) : 0.8420 - 0.8470

Partition coefficient: n-octanol/water : log Pow: 3.970

Section 10. Stability and reactivity

10.1 Conditions to avoid:

Remarks: Direct sources of heat.

10.2 Chemical stability:

Remarks: Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

10.3 Hazardous decomposition products:

Note: Carbon monoxide and unidentified organic compounds may be formed during combustion

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity (Component): Component: 1337-83-3

LD50 Rat

Dose: > 5,000 mg/kg

Remarks: RIFM

Component: 25013-16-5

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: INTRELEVEN ALDEHYDE

LD50 Rat

Dose: 2,000 mg/kg

Acute dermal toxicity(Component): Component: 1337-83-3

LD50 Rabbit

Dose: > 5,000 mg/kg

Skin irritation (Component): Component: 1337-83-3 human

Result: No skin irritation

Method: closed patch test

Exposure time: 48 h

Rabbit

Result: Skin irritation

Exposure time: 24 h

Sensitisation (Component): Component: 1337-83-3 maximisation study human

Result: Did not cause sensitisation on laboratory animals.

Test substance: 5% in petrolatum

Repeated dose toxicity(Component): Component: 1337-83-3

SAFETY DATA SHEET

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Section 12. Ecological information

Component:

25013-16-5 BUTYLATED Toxicity to daphnia and other aquatic invertebrates:

HYDROXY ANISOLE EC50

Species: Daphnia magna (Water flea)

Dose: 3.2 mg/l

Exposure time: 96 h

Supplier

Section 13. Disposal considerations

13.1 Waste treatment methods:

Contaminated packaging : Place material into sealed containers and dispose of in accordance with local, state and federal regulations.

Section 14. Transport information

DOT

Proper shipping name: Combustible liquid, n.o.s.(UNDECENAL)

Labels: NONE

UN number: 1993

Class: CBL

Packing group: III

Emergency Response Guidebook Number: 128

DOT NON-BULK

Not dangerous goods

IATA

UN number: 3082

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(UNDECENAL)

Class: 9

Packing group: III

ICAO-Labels: 9

IMDG

UN number: 3082

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(UNDECENAL)

Class: 9

Packing group: III

IMDG-Labels: 9

SAFETY DATA SHEET

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Product: INTRELEVEN ALDEHYDE

EmSNumber 1: F-A

EmSNumber 2: S-F

Marine pollutant: yes (UNDECENAL)

Section 15. Regulatory information

SARA 311/312 Hazard : Flammable (gases, aerosols, liquids, or solids)

Respiratory or skin sensitisation

Reportable Quantity :

HMIS Classificatio: Health hazard: 1

Flammability: 1

Physical and chemical hazards: 0

Section 16. Other information

Further information

The information in this MSDS was obtained from current and reliable sources. However the data is provided without any warrant, expressed or implied, regarding its correctness or accuracy. Since the use, handling, storage and disposal of this product are beyond IFF control, it is the responsibility of the user both to determine safe conditions for the use of this product and to assume liability of loss, damage, or expense arising out of the product's improper use. No warranty expressed or implied regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.