

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:



BC FRAGRANCE
& AROMATICS MFG. CORP.

SCOPE OF THE

CERTIFICATE:

COUMARIN

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 December 2022), provided it is used in the following categories at a maximum concentration level of:

IFRA Categories [see Annex 1 below for details]	Maximum Level of use (%)
IFRA Category 1	Not suitable
IFRA Category 2	0.080
IFRA Category 2	0.089
IFRA Category 3	0.089
IFRA Category 4	1.500
IFRA Category 4	1.500
IFRA Category 4	1.500
IFRA Category 5A	0.380
IFRA Category 5A	0.380
IFRA Category 5A	0.380
IFRA Category 5B	0.110
IFRA Category 5C	0.160
IFRA Category 5D	0.035
IFRA Category 6	Not suitable
IFRA Category 7A	0.180
IFRA Category 7B	0.180
IFRA Category 8	0.035
IFRA Category 9	0.520
IFRA Category 10A	0.520
IFRA Category 10A	0.500
IFRA Category 10B	1.600
IFRA Category 11A	0.035
IFRA Category 11B	0.035
IFRA Category 12	10-100
	Generally unrestricted
IFRA Category 12	10.00

IFRA Category 12	10-100 Generally unrestricted
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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 COUMARIN is as follows:

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

Regulatory Affairs Department

ANNEX 1

Below is an extract of information provided by IFRA in relation to types of application present in each IFRA Category. Additional information about IFRA Categories can be found in the Guidance to IFRA Standards, issued by IFRA.

IFRA Category	Product Type
IFRA Category 1	Toys / Lip products
IFRA Category 2	Deodorants/Antiperspirants/Body Spray
IFRA Category 2	Eye Products
IFRA Category 3	Facial Mask/Make up/Tissues
IFRA Category 4	EdT/Colognes unshaved skin
IFRA Category 4	Fine Fragrance unshaved skin
IFRA Category 4	Fragrancing creams (not baby)
IFRA Category 5A	Body Creams/Oil/Lotion, Foot care
IFRA Category 5A	Insect repellent wipes
IFRA Category 5A	Powder and Talc (not baby)
IFRA Category 5B	Facial moisturizer / cream / toner
IFRA Category 5C	Hand Creams / sanitizers , nail care
IFRA Category 5D	Baby cream / lotion / Oil / Powder
IFRA Category 6	Mouthwash, Toothpaste
IFRA Category 7A	Hair Dyes (rinse off)
IFRA Category 7B	Hair Spray / Hair styling aids / Hair dyes (leave on)
IFRA Category 8	Intimate wipes, Baby wipes, Tampons

IFRA Category 9	Rinse-off toiletries: Soap, Shower Gel, Shampoo, Conditioner, Scrubs, Foams
IFRA Category 10A	Laundry products, Household cleaners

IFRA Category 10A	Toilet seat wipes
IFRA Category 10B	Aerosol Air Fresheners
IFRA Category 11A	Feminine Hygiene, Toilet Paper, Diapers
IFRA Category 11B	Facial Tissue, Napkins, Paper Towels,
IFRA Category 12	Non-skin contact home fragrances, Candles, Incense, Plastics (not toys), Fuels, Paints, Car and Air fresheners
IFRA Category 12	Cat litter, Scratch and sniff
IFRA Category 12	Incidental skin contact, Pot pourri, Reeds, Sachets, Polishes, Refills, Cold diffusion

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: Coumarin (Crystalline Powder SDS-6038)

Version: 1

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

1.1 Product Identifier

Product identifier: Coumarin (Crystalline Powder SDS-6038)

(Contains: Coumarin)

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:

Acute Toxicity-Oral Category 3

Sensitization : Skin Category 1

Hazardous to the Aquatic Environment- Acute Hazard Category 3

Hazardous to the Aquatic Environment- Long-term Hazard Category 3

H302, Harmful if swallowed.

H317, May cause an allergic skin reaction.

H402, Harmful to aquatic life.

H412, Harmful to aquatic life with long lasting effects.

2.2 Label elements

Signal word: Danger

Hazard statements:

H302, Harmful if swallowed.

H317, May cause an allergic skin reaction.

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Product: Coumarin (Crystalline Powder SDS-6038

H402,Harmful to aquatic life.

H412,Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261, Avoid breathing vapor or dust.

P264,Wash hands and other contacted 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.

P273,Avoid release to the environment.

P280,Wear protective gloves/eye protection/face protection.

P301/312,IF SWALLOWED : call a POISON CENTER or doctor/physician if you feel unwell.

P302/352,IF ON SKN: Wash with plenty of soap and water.

P330,Rinse mouth.

P333/313,If skin irritation or rash occurs: Get medical advice/attention.

P363,Wash contaminated clothing before reuse.

P501,Dispose of contents/container to approved disposal site,in accordance with local regulations.

Pictograms:



2.3 Other hazards

Other hazards:Hydrocarbon Concentrate %: 0.0000%

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	%	GHS Classification
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Product: Coumarin (Crystalline Powder SDS-6038)

Coumarin	91-64-5	100.00%	AcuteTox.3-Aquatic Acute 3 -Aquatic Chronic 3;H301-H412
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Substances with workplace exposure limits, not listed above:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

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

Skin exposure: Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.

Ingestion: Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes mild skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

Version: 1

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

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In accordance with UN GHS latest edition

Product: Coumarin (Crystalline Powder SDS-6038)

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Not determined

Odour: Not determined

Odour threshold: Not determined

pH: Not determined

Melting point / freezing point: Not determined

Initial boiling point / range: Not determined

Flash point: 110°C

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

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Product: Coumarin (Crystalline Powder SDS-6038)

Upper/lower flammability or explosive limits: Product does not present an explosion hazard

Vapour pressure: Not determined

Vapour density: Not determined

Relative density: Not determined

Solubility(ies): Not determined

Partition coefficient: n-octanol/water: Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Explosive properties: Not expected

Oxidising properties: Not expected

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

Acute Toxicity: Acute Toxicity-Oral Category3

Acute Toxicity Oral 500

Acute Toxicity Dermal Not Applicable

Acute Toxicity Inhalation Not Available

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Skin corrosion/irritation: Based on available data the classification criteria are not met.

Serious eye damage/irritation: Based on available data the classification criteria are not met.

Respiratory or skin sensitisation: Sensitization - Skin Category 1

Germ cell mutagenicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity: Based on available data the classification criteria are not met.

STOT-single exposure: Based on available data the classification criteria are not met.

STOT-repeated exposure: Based on available data the classification criteria are not met.

Aspiration hazard: Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture

Ingredient	CAS	LD50/ATE Oral	LD50/ATE Dermal	LD50/ATE Inhalation	LC50 Route
Coumarin	91-64-5	500	Not Available	Not Available	Not Available

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Other adverse effects: Not available

Version: 1

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

SAFETY DATA SHEET

In accordance with UN GHS latest edition

Product: Coumarin (Crystalline Powder SDS-6038)

	14.1 UN number:	14.2 UN Proper Shipping Name:	6.1 (PGIII)	Sub Risk:	14.4 Packing Group:
DOT NON-BULK	UN2811	TOXIC SOLID , ORGANIC, N.O.S. (Coumarin)	6.1 (PGIII)	-	III
IMDG	UN2811	TOXIC SOLID , ORGANIC, N.O.S. (Coumarin)	6.1 (PGIII)	-	III
ADR,RID,ADN	UN2811	TOXIC SOLID , ORGANIC, N.O.S. (Coumarin)	6.1 (PGIII)	-	III
ICAO TI	UN2811	TOXIC SOLID , ORGANIC, N.O.S. (Coumarin)	6.1 (PGIII)	-	-

14.5 Environmental hazards: Not environmentally hazardous for transport**14.6 Special precautions for user:** None additional**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

Section 15. Regulatory information

None additional

Section 16. Other information**Version:** 1**Concentration % Limits:** EH A3= 25.00% EH C3= 25.00% EH C4= 25.00%**Total Fractional Values:** EH A3= 4.00 EH C3= 4.00 EH C4= 4.00**Key to revisions:**

2.1 Classification of the substance or mixture

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Oral Category 3
Aquatic Acute 3	Hazardous to the Aquatic Environment - Acute Hazard Category 3
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3

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In accordance with UN GHS latest edition

Product: Coumarin (Crystalline Powder SDS-6038

H301	Toxic if swallowed.
H412	Harmful to aquatic life with long lasting effects.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P301/310	If SWALLOWED: Immediately call a POISON CENTRE or doctor/physician .
P330	Rinse mouth.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site,in accordance with the local regulations.

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.