

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:

Iso E Super IFRA_STD_068

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 51st Amendment to the IFRA Code of Practice (published June 2023), 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	0.41%
IFRA Category 2	1.10%
IFRA Category 3	0.41%
IFRA Category 4	20.00%
IFRA Category 5A	5.10%
IFRA Category 5B	0.56%
IFRA Category 5C	0.76%
IFRA Category 5D	0.19%
IFRA Category 6	0.00%
IFRA Category 7A	0.67%
IFRA Category 7B	0.67%
IFRA Category 8	0.19%
IFRA Category 9	2.40%
IFRA Category 10A	2.40%
IFRA Category 10B	6.60%
IFRA Category 11A	0.19%
IFRA Category 11B	0.19%
IFRA Category 12	Not limited

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 Iso E Super IFRA_STD_068 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	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Childrens toys
IFRA Category 2	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne, etc.); Body sprays (including body mist)
IFRA Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer; Facial make up and foundation; Make-up remover for face and eyes; Nose pore strips; Wipes or refreshing tissues for face, neck, hands, body; Body and face paint (for children and adults); Facial masks for face and around the eyes
IFRA Category 4	Hydroalcoholic and nonhydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancng cream, etc.), aftershaves of all types (except creams and balms); Fragranced bracelets; Ingredients of perfume kits and fragrance mixtures for cosmetic kits; Scent pads, foil packs; Scent strips for hydroalcoholic products
IFRA Category 5A	Body creams, oils, lotions of all types; Foot care products (creams and powders); Insect repellent (intended to be applied to the skin); All powders and talc (excluding baby powders and talc)
IFRA Category 5B	Facial toner; Facial moisturizers and creams (including care products for beard and mustache)
IFRA Category 5C	Hand cream; Nail care products including cuticle creams, nail lacquer remover, etc.; Hand sanitizers
IFRA Category 5D	Baby cream/lotion, baby oil, baby powders and talc
IFRA Category 6	Toothpaste; Mouthwash, including breath sprays; Toothpowder, strips, mouthwash tablets
IFRA Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e. g., relaxers), including rinse-off hair dyes
IFRA Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.); Hair styling aids non sprays (mousse, gels, leave-on conditioners); Hair permanent or other hair chemical treatments (leave-on) (e. g., relaxers), including leave-on hair dyes; Shampoo - Dry (waterless shampoo); Hair deodorizer, hair perfume
IFRA Category 8	Intimate wipes; Intimate deodorant spray; Tampons; Baby wipes; Toilet paper (wet)
IFRA Category 9	Bar soap; Shampoo of all types; Cleanser for face (rinse-off); Conditioner (rinse-off); Liquid soap; Body washes and shower gels of all types; Baby wash, bath, shampoo; Bath gels, foams, mousses, salts, oils and other products added to bathwater (such as bath bombs); Foot care products (feet are placed in a bath for soaking); Shaving creams of all types (stick, gels, foams, etc.); All depilatories (including facial) and waxes for mechanical hair removal

IFRA Category 10A	Hand wash laundry detergent (including concentrates); Laundry pre-treatment of all types (e.g. paste, sprays, sticks); Hand dishwashing detergent (including concentrates); Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Machine laundry detergents with skin contact (e.g., liquids, powders) including concentrates; Toilet
	seat wipes; Fabric softeners of all types excluding fabric softener sheets; Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g., starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics); Floor wax; Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.; Ironing water (Odorized distilled water); Dry cleaning kits (involving manual application on the textile)
IFRA Category 10B	Animal sprays – sprays applied to animals of all types; Air freshener sprays, manual, including aerosol and pump; Aerosol/spray insecticides
IFRA Category 11A	Feminine hygiene conventional pads, liners, interlabial pads; Baby diapers; Incontinence pant, pad; Toilet paper (dry)
IFRA Category 11B	Tights with moisturizers; Scented socks, gloves; Facial tissues (dry tissues); Napkins; Pillow spray; Paper towels; Wheat bags; Facial masks (paper/protective) e.g., surgical masks not used as medical device; Fertilizers, solid (pellet or powder)
IFRA Category 12	Candles of all types (including encased); Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods); Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5 mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals, solid non aerosol car diffuser); Air delivery systems; Cat litter; Cell phone cases; Deodorizers/maskers not intended for skin contact (e.g., fabric drying machine deodorizers, carpet powders); Dry cleaning kits (placed in the dryer); Dryer sheets and fabric softener sheets; Fuels; Insecticides (e.g., mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays; Joss sticks or incense sticks; Dishwash detergent and deodorizers – for machine wash; Olfactive board games; Paints; Plastic articles (excluding toys); Scratch and sniff; Scent pack; Scent delivery system (using dry air technology); Shoe polishes; Rim blocks (toilet); Toilet gel; Scent beads

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In accordance with UN GHS latest edition

Product: Iso E Super

Version: 6

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

1.1 Product Identifier

Product identifier: Iso E Super

Other identifiers: None

1.2 Relevant identified uses of the substance of 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:

Skin irritation, Category 2

Skin sensitisation, Sub category 1B.

2.2 Label elements

Signal word: Warning

Hazard statements:

H315: Causes Skin Irritation.

H317: May Cause An Allergic Skin Reaction.

Precautionary statements:

P280: Wear protective gloves

P302P352: IF ON SKIN: Wash with plenty of soap and water.



Pictograms:

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Product: Iso E Super

2.3 Other hazards

Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS
Ethanone,1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	68155-66-8,54464-57-2, 68155-67-9
Phenol,2,6-bis(1,1-dimethylethyl)-4-methyl-	128-37-0

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

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

Ingestion: Rinse mouth with water and obtain medical advice.

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 Flammable properties

Flash point: 273°F(134°C)

5.2 Fire fighting

Use water spray,dry chemical,carbon dioxide or appropriate foam.

5.3 Protective equipment and precautions for firefighters:

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

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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 reuse.

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.

8.2 Exposure Controls

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

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Product: Iso E Super

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.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: liquid at 68 F(20°C)(1,013.00 hPa(1,013 hPa))

Odour: conforms to standard

Flash point: 273°F(134°C)

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Boiling point: 554.72 °F(290.40 °C) at 1,013.00 hPa(1,013 hPa)

Note:Calculated

Vapour pressure: 00 hPa(0.00233 hPa) at 73 F(23 °C)

Method:Purge & Trap

Relative density: Not determined

Solubility(ies): 0.9611-0.9670

Method:ISO 279

Water solubility: 0.00268 g/l at 68 F(20 °C)

Method:OECD Test Guideline 105

Partition coefficient: n-octanol/water :log Pow:5.650

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:68155-66-8

LD50 Rat

Dose:>5,000 mg/kg

Method:OECD Test Guideline 401

Remarks:IFF

Acute dermal toxicity(Component)

Component:68155-66-8

LD50 Rat

Dose:>5,000 mg/kg

Method:OECD Test Guideline 402

Skin irritation (Component)

Component:68155-66-8

human

Result:Skin irritation

Method:OECD 439

Eye irritation(Component)

Component:68155-66-8

Result:No eye irritation

Method:QSAR

Sensitisation (Component)

Component:68155-66-8

LLNA Mouse

Result:Causes sensitisation.

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Product: Iso E Super

Method:OECD 429

Repeated dose toxicity(Component)

Component:68155-66-8

toxicity(Component)

OralRat

Number of exposures:1x/day

NOEL:150 mg/kg

Method:OECD Test Guideline 407

Remarks:Repeated dose (28 days)toxicity (oral)

Teratogenicity (Component)

Component:68155-66-8

Application Route:Oral

Rat

Number of exposures:1x /day

Section 12. Ecological information

Component:68155-66-8

Tetramethyl Acetyloctahydro naphthalenes

Toxicity to fish:

semi-static test LC50

Species:Lepomis macrochirus (Bluegill sunfish)

Dose:1.3 mg/l

Exposure time:96 h

Method:OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates:

semi-static test EC50

Species:Daphnia magna(Water flea)

Dose:1.38 mg/l

Exposure time:48 h

Method:OECD Test Guideline 202

IFF

Toxicity to algae:

static testEC50

Species:Desmodesmus subspicatus (green algae)

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Product: Iso E Super

Dose:2.6 mg/l

Exposure time:72 h

Method:OECD Test Guideline 201

Toxicity to bacteria:

static test NOEC

Species:

Dose:>100 mg/l

Exposure time:42 h

Method:OECD 301 F

≤03EHS_L_TEXT(CED-N12.00224460)≥

≤03EHS L TEXT(CED-H11.00000120)>:

semi-static test NOEC

Species:Danio rerio (zebra fish)

Concentration:..16 mg/l

Exposure time:30 d

Method:OECD 210

≤03EHS L_TEXT(CED-H12.00200010)≥

≤03EHS L TEXT(CED-H11.00000120)>;

NOEC

Species:Daphnia magna (Water flea)

Concentration:..02 mg/l

Exposure time:21 d

Method:OECD 211

Section 13. Disposal considerations

13.1 Contaminated packaging:

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Product: Iso E Super

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

Section 14. Transport information

14.1 DOT: Not dangerous goods

14.2 IATA: UN number: 3082

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

Class: 9

Packing group: III

ICAO-Labels: 9

14.3 IMDG: UN number: 3082

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

(Octahydro Tetramethyl Naphthalenyl Ethanone)

Class: 9

Packing group: III

IMDG-Labels: 9

EmS Number 1: F-A

EmS Number 2: S-F

Marine pollutant: yes (Octahydro Tetramethyl Naphthalenyl Ethanone)

Section 15. Regulatory information

SARA 311/312 Hazards:

Skin corrosion or irritation

Respiratory or skin sensitisation

Reportable Quantity:

HMIS Classification:

Health hazard: 2

Chronic Health Hazard: /

Flammability: 1

Physical and chemical hazards: 0

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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 warranty, 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.