

Product

**CASHMERAN** 

Print Date

04/09/2022

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#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name Cust. Material CASHMERAN 00032329

SDS Number

R00000215546

Product Use Description

Fragrance Ingredient

Company

IFF Inc.

600 Highway 36 Hazlet NJ 07730

Telephone

(732) 264-4500

Telefax

: (732) 335-2551 : +1 800 424 9300

Emergency telephone

### SECTION 2 HAZARDS IDENTIFICATION

#### **GHS-Classification**

Skin irritation, Category 2 Eye irritation, Category 2A Skin sensitization, Sub-category 1B

#### **GHS-Labeling**

Symbol(s)

**(!)** 

Signal Word

Warning

Hazard Statements

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Precautionary Statements

: P280: Wear protective gloves/ eye protection/ face protection. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for

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several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Carcinogenicity:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Component	CAS-No.
4H-Inden-4-one, 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-	33704-61-9

### SECTION 4. FIRST AID MEASURES

First aid procedures

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.

Notes to physician

Risks : Causes skin irritation.

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May cause an allergic skin reaction. Causes serious eye irritation.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Flammable properties

Flash point

201.20 °F (94.00 °C)

#### Fire fighting

Suitable extinguishing media

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

### Protective equipment and precautions for firefighters

Special protective equipment for

fire-fighters

: 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

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.

Methods for containment / Methods for cleaning up

: Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation or exhaust. Avoid excessive inhalation of dust and vapours. Contain and recover free product. Dispose of according

to the local regulations.

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#### SECTION 7. HANDLING AND STORAGE

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.

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

### Ingredients with workplace control parameters

#### **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

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Personal protective equipment

: Use tight-fitting goggles, face shield or safety glasses with side

shields if eye contact might occur.

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Eye protection

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Hand protection

: Avoid skin contact. Use chemically resistant gloves.

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.

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.

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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" chemicals. If any of these chemicals are present in this product at a concentration >= 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

**Appearance** 

Physical state

: solid

Appearance

: CLEAR LIQ OR CRYSTALLINE SOLID

Color

colorless to pale yellow

Odor

conforms to standard

Safety data

Flash point

201.20 °F (94.00 °C)

Flammability (solid, gas)

: The product is not flammable.

Oxidizing properties

The substance or mixture is not classified as oxidizing.

Autoignition temperature

682 °F (361 °C)

at 1,013.00 hPa (1,013 hPa)

Method: Tested according to Directive 92/69/EEC.

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Freezing point

: 81 °F (27 °C)

at 1,013.00 hPa (1,013 hPa)

Method: OECD Test Guideline 102

Boiling point

: 428 °F (220 °C)

at 1,013.00 hPa (1,013 hPa)

Method: OECD Test Guideline 103

Vapor pressure

: Note: Not applicable

Relative density (20 °C)

: 0.9550 - 0.9650

Water solubility

: 49.1 g/l

at 68 °F (20 °C)

Method: OECD Test Guideline 105

Partition coefficient: n-octanol/water : log Pow: 4.2

at 68 °F (20 °C)Method: OECD Test Guideline 117

Viscosity, dynamic

: 31.649 mPa.s at 68 °F (20 °C)

Method: OECD 114

Surface tension

: 52.2 mN/m

44mg/l

at 68 °F (20 °C) Method: OECD 115

## SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid

: Remarks: Direct sources of heat.

Chemical stability

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

oxidizing agents.

Hazardous decomposition products

: Note: Carbon monoxide and unidentified organic compounds may

be formed during combustion.

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IFF Inc. 600 Highway 36

IFF Inc. 600 Highway 36 Hazlet NJ 07730

Telefax: +17323352551 Telephone: +17322644500



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#### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

: Acute toxicity estimate

Dose: 2,901 mg/kg

Method: Calculation method

Acute oral toxicity (Component)

Component: 33704-61-9

LD50 Rat

Dose: 2,901 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity

Acute toxicity estimate

Dose: 2,901 mg/kg

Method: Calculation method

Acute dermal toxicity

(Component)

Component: 33704-61-9

LD50

Dose: 2,901 mg/kg Remarks: estimated

Acute inhalation toxicity

(Component)

Component: 33704-61-9

Remarks: not required

Skin irritation (Component)

Component: 33704-61-9

human

Result: Skin irritation

Method: EPISKIN Human Skin Model Test

Exposure time: 0.25 h

Eye irritation(Component)

Component: 33704-61-9

Chicken eye

Result: Eye irritation Method: OECD 438

Sensitization

Classification: The product is a skin sensitizer, sub-category 1B.

Result: The product is a skin sensitizer, sub-category 1B.

Remarks: REACH data

Sensitization (Component)

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Component: 33704-61-9

LLNA Mouse

Result: Skin sensitization

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Method: OECD 429

repeated insult patch test Humans

Result: Does not cause skin sensitization. Test substance: 10.% in ethanol/DEP (75:25) Result: Does not cause respiratory sensitization.

Repeated dose

toxicity(Component)

Component: 33704-61-9

OralRat

NOEL: 10 mg/kg

Method: OECD Test Guideline 408

Carcinogenicity (Component)

Component: 33704-61-9

## SECTION 12. ECOLOGICAL INFORMATION

Component:

33704-61-9

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Toxicity to fish:

semi-static test LC50

Species: Oryzias latipes (Japanese medaka)

Dose: 2.12 mg/l Exposure time: 96 h

Method:

Toxicity to daphnia and other aquatic invertebrates:

static test EC50

Species: Daphnia magna (Water flea)

Dose: 1.5 mg/l Exposure time: 48 h

Method: OECD Test Guideline 202

<u>Toxicity to algae:</u> static testEC50

Species: Desmodesmus subspicatus (green algae)

Dose: 10 mg/l Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to algae:

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EC10

Species: Desmodesmus subspicatus (green algae)

Dose: 6 mg/l Exposure time: 72 h

#### SECTION 13. DISPOSAL CONSIDERATIONS

Contaminated packaging

Place material into sealed containers and dispose of in accordance

with local, state and federal regulations.

#### SECTION 14. TRANSPORT INFORMATION

DOT

Not dangerous goods

IATA

UN number

3077

Description of the goods

: ENVIRONMENTALLY HAZARDOUS

SUBSTANCE, SOLID, N.O.S.

(DIHYDRO PENTAMETHYLINDANONE)

Class

: 9 : III

Packing group ICAO-Labels

: 9

IMDG

UN number

: 3077

Description of the goods

: ENVIRONMENTALLY HAZARDOUS

SUBSTANCE, SOLID, N.O.S.

(DIHYDRO PENTAMETHYLINDANONE)

Class

Packing group IMDG-Labels EmSNumber 1 EmSNumber 2 9

: 9 : F-A : S-F

Marine pollutant

yes

(DIHYDRO PENTAMETHYLINDANONE)

### SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards

: Skin corrosion or irritation

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Serious eye damage or eye irritation Respiratory or skin sensitization

Reportable Quantity

**HMIS Classification** 

Health Hazard: 1

Chronic Health Hazard: \*

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.

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Telephone: +17322644500