



SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product CASSIFFIX (ELINCS)

Print Date 06/02/2020

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CASSIFFIX (ELINCS)
IFF Code : 00032037
Cust. Material : 00032037
SDS Number : R00000215913
Product Use Description : Fragrance Ingredient

Company : PostalCode: 311606
Zhejiang Jiande City, Hangzhou
MamuRoad,Xiayatown18
INTERNATIONAL FLAVORS & FRAGRANCES(HANGZHOU)
CO., LTD.
Telephone : +8657164735488
Telefax : +8657164722092
Emergency telephone number : +86 532 8388 9090

SECTION 2 HAZARDS IDENTIFICATION

GHS-Classification

Skin irritation, Category 2
Eye irritation, Category 2A

GHS-Labeling

Symbol(s) :



Signal word : Warning

Hazard statements : H315: Causes skin irritation.
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 component 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 component 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 components

Component	CAS-No.
3-Cyclohexene-1-methanol, 3(or 4)-methyl-1-(2,2,3-trimethyl-3-cyclopenten-1-yl)-, acid-isomerized	139539-67-6, 139539-66-5, 426218-78-2

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.

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SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Flash point : 292.10 °F (144.50 °C)

Ignition temperature : 464 °F (240 °C)
at 1,013.00 hPa (1,013 hPa)
GLP: yes

Flammability (solid, gas) : The product is not flammable.

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 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

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. 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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SECTION 7. HANDLING AND STORAGE

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

Components 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

Personal protective equipment

Eye 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.

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

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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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

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

Safety data

Flash point : 292.10 °F (144.50 °C)
Ignition temperature : 464 °F (240 °C)
at 1,013 hPa (1,013 hPa)
Flammability (solid, gas) : The product is not flammable.
Oxidizing properties : The substance or mixture is not classified as oxidizing.
Auto-ignition temperature : 464 °F (240 °C)
at 1,013.00 hPa (1,013 hPa)
Auto-ignition temperature

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Freezing point : -13.00 °F (-25.00 °C)
at 1,013.00 hPa (1,013 hPa)
Method: OECD Test Guideline 102

Boiling point : 574.7 °F (301.5 °C)
at 1,013.00 hPa (1,013 hPa)
Method: OECD Test Guideline 103

Vapour pressure : .02 hPa (0.02 hPa)
Note: Calculated

Relative density (20 °C) : 0.9800 - 0.9880

Water solubility : 0.0111 g/l
at 68 °F (20 °C)
Method: OECD Test Guideline 105

Partition coefficient: n-octanol/water : log Pow: 4
at 77 °F (25 °C) Method: OECD Test Guideline 107

Surface tension : 54.7 mN/m
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.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Acute toxicity estimate

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Dose: 2,500 mg/kg
Method: Calculation method

Acute oral toxicity (Component) : Component: 139539-67-6
LD50 Rat
Dose: > 2,000 mg/kg
Method: OECD Test Guideline 401
Remarks: IFF

Acute dermal toxicity : Acute toxicity estimate
Dose: 2,500 mg/kg
Method: Calculation method

Acute dermal toxicity (Component) : Component: 139539-67-6
LD50 Rat
Dose: > 2,000 mg/kg
Method: OECD Test Guideline 402

Skin irritation (Component) : Component: 139539-67-6
Rabbit
Result: Skin irritation
Method: OECD Test Guideline 404

Eye irritation(Component) : Component: 139539-67-6
Rabbit
Result: Eye irritation
Method: OECD Test Guideline 405

Sensitisation (Component) : Component: 139539-67-6
Maximisation Test Guinea pig
Result: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

Repeated dose toxicity(Component) : Component: 139539-67-6
OralRat
NOEL: 1,000 mg/kg
Method: OECD Test Guideline 407

Carcinogenicity (Component) : Component: 139539-67-6

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SECTION 12. ECOLOGICAL INFORMATION

Component:

139539-67-6

CASSIFFIX

Toxicity to fish:

LC50

Species:

Dose: 3.8 mg/l

Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:

EC50

Species:

Dose: 1.3 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae:

ErC50

Species:

Dose: 13 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 : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(TRIMETHYLCYCLOPENTENYLMETHYLOXABIC
YCLOOCTANE)

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Class : 9
Packing group : III
ICAO-Labels : 9

IMDG UN number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(TRIMETHYLCYCLOPENTENYLMETHYLOXABIC
YCLOOCTANE)
Class : 9
Packing group : III
IMDG-Labels : 9
EmSNumber 1 : F-A
EmSNumber 2 : S-F
Marine pollutant : yes

(TRIMETHYLCYCLOPENTENYLMETHYLOXABIC
YCLOOCTANE)

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Acute Health Hazard

Reportable Quantity :

HMIS Classification : Health hazard: 1
Flammability: 1
Physical and chemical hazards: 0

SECTION 16. OTHER INFORMATION

Further information

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