



SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 1 (12)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MUSCEMOR (ELINCS)
Sales Number : 00131730
Cust. Material : 00131730
SDS Number : R00000492664
Product Use Description : Fragrance Ingredient

Company : IFF Inc.
600 Highway 36
Hazlet NJ 07730

Telephone : (732) 264-4500
Telefax : (732) 335-2551
Emergency telephone number : +1 800 424 9300

SECTION 2 HAZARDS IDENTIFICATION

GHS-Classification

Skin sensitisation, Sub-category 1B

GHS-Labeling

Symbol(s) :



Signal word : Warning

Hazard statements : H317: May cause an allergic skin reaction.

Precautionary statements : P261: Avoid breathing mist or vapours.
P280: Wear protective gloves.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P333 + P313: If skin irritation or rash occurs: Get medical advice/
attention.

P501: Dispose of contents/ container to an approved waste disposal
plant.

Version : 5

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SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 2 (12)

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.
5-Cyclopentadecen-1-one, 3-methyl-	82356-51-2, 63314-79-4

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : Remove from exposure site to fresh air and keep at rest. 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 : May cause an allergic skin reaction.

Version : 5
Revision Date : 09/12/2024

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SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 3 (12)

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Flash point : 212.00 °F (100.00 °C)

Fire fighting

Suitable extinguishing media : Carbondioxide, dry chemical, foam.

Unsuitable extinguishing media : Do not use a direct waterjet on burning material.

Further information : Standard procedure for chemical fires.

Protective equipment and precautions for firefighters

Specific hazards during firefighting : Water may be ineffective.

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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SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 4 (12)

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

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

Version : 5
Revision Date : 09/12/2024

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SAFETY DATA SHEET

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Print Date 01/29/2025

Page 5 (12)

-
- 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.
- 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

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SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 6 (12)

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" 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 : 212.00 °F (100.00 °C)

Vapour pressure : < .01 hPa (< 0.01 hPa)
at 68 °F (20 °C)
Note: Calculated

Relative density (20 °C) : 0.9230 - 0.9330

Version : 5
Revision Date : 09/12/2024

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SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 7 (12)

Partition coefficient: n-octanol/water : log Pow: 6.060

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Direct sources of heat.

Materials to avoid : Remarks: Avoid contact with strong acids, alkali or oxidizing agents.

Chemical stability : Remarks: Presents no significant reactivity hazard, by itself or in contact with water.

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

Acute oral toxicity (Component) : Component: 82356-51-2
LD50 Rat
Dose: > 2,000 mg/kg
Method: OECD Test Guideline 401
Remarks: REACH data

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

Acute dermal toxicity (Component) : Component: 82356-51-2
LD50 Rat
Dose: > 2,000 mg/kg
Method: OECD Test Guideline 402
Test substance: (undiluted)

Version : 5
Revision Date : 09/12/2024

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SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 8 (12)

Remarks: REACH data

Skin irritation (Component) : Component: 82356-51-2
Rabbit
Classification: No skin irritation
Result: No skin irritation
Method: OECD Test Guideline 404
Test substance:(undiluted)
Remarks: REACH data

Eye irritation(Component) : Component: 82356-51-2
Rabbit
Classification: No eye irritation
Result: No eye irritation
Method: OECD Test Guideline 405
Test substance: (undiluted)
Remarks: REACH data

Sensitisation : Classification: The product is a skin sensitiser, sub-category 1B.
Result: The product is a skin sensitiser, sub-category 1B.

Sensitisation (Component) : Component: 82356-51-2
Classification: The product is a skin sensitiser, sub-category 1B.
Result: Skin sensitization
Method: see user defined free text
Remarks: REACH data

Repeated dose toxicity(Component) : Component: 82356-51-2
OralRat
NOEL: 1,000 mg/kg
Method: OECD Test Guideline 407
Remarks: REACH data

SECTION 12. ECOLOGICAL INFORMATION

Component:

82356-51-2

METHYLCYCL

Toxicity to fish:

OPENTADECE

semi-static test LC50

Version : 5

Revision Date : 09/12/2024

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INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 9 (12)

NONE

Species: Oncorhynchus mykiss (rainbow trout)

Dose: 0.22 mg/l

Exposure time: 96 h

Analytical monitoring: yes

Method: OECD Test Guideline 203

REACH data

Toxicity to daphnia and other aquatic invertebrates:
static test EC50

Species: Daphnia magna (Water flea)

Dose: 0.39 mg/l

Exposure time: 48 h

Analytical monitoring: yes

Method: OECD Test Guideline 202

REACH data

Toxicity to algae:

static test EC50

Species: Desmodesmus subspicatus (green algae)

Dose: > 30 mg/l

Exposure time: 72 h

Analytical monitoring: yes

Method: OECD Test Guideline 201

REACH data

Toxicity to algae:

static test NOEC

Species: Desmodesmus subspicatus (green algae)

Dose: >= 30 mg/l

Exposure time: 72 h

Analytical monitoring: yes

Method: OECD Test Guideline 201

REACH data

<03EHS L TEXT(CED-N12.00224460)>

<03EHS L TEXT(CED-H11.00000120)>:

flow-through test EC10

Species: Pimephales promelas (fathead minnow)

Concentration: .18 mg/l

Exposure time: 10 d

Analytical monitoring: yes

Remarks:

REACH data

<03EHS L TEXT(CED-N12.00224460)>

Version : 5

Revision Date : 09/12/2024

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SAFETY DATA SHEET

INTERNATIONAL FLAVORS & FRAGRANCES

Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 10 (12)

<03EHS L TEXT(CED-H11.00000120)>:

flow-through test NOEC

Species: Pimephales promelas (fathead minnow)

Concentration: .23 mg/l

Exposure time: 10 d

Analytical monitoring: yes

Remarks:

REACH data

<03EHS L TEXT(CED-H12.00200010)>

<03EHS L TEXT(CED-H11.00000120)>:

semi-static test EC10

Species: Daphnia magna (Water flea)

Concentration: .12 mg/l

Exposure time: 21 d

Analytical monitoring: yes

Method: OECD Test Guideline 211

Remarks:

REACH data

<03EHS L TEXT(CED-H12.00200010)>

<03EHS L TEXT(CED-H11.00000120)>:

semi-static test NOEC

Species: Daphnia magna (Water flea)

Concentration: .08 mg/l

Exposure time: 21 d

Analytical monitoring: yes

Method: OECD Test Guideline 211

Remarks:

REACH data

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

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Revision Date : 09/12/2024

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SAFETY DATA SHEET

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Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 11 (12)

IATA UN number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(METHYLCYCLOPENTADECENONE)
Class : 9
Packing group : III
ICAO-Labels : 9

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

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Respiratory or skin sensitisation

Reportable Quantity :

HMIS Classification : Health hazard: 2
Chronic Health Hazard: /
Flammability: 1
Physical and chemical hazards: 0

SECTION 16. OTHER INFORMATION

Further information

Version : 5
Revision Date : 09/12/2024

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Product MUSCEMOR (ELINCS)

Print Date 01/29/2025

Page 12 (12)

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