



SAFETY DATA SHEET (SDS)

Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) 2020/878, Regulation (EC) No. 1272/2008 (CLP), and the Globally Harmonized System (GHS).

Maritima®

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Parameter	Details
Product Name	Maritima®
Chemical name	4-(4,8-Dimethylnona-3,7-dien-1-yl)pyridine
Manufacturer	International Flavors & Fragrances Inc. (IFF)
Product Type	Aroma Chemical
CAS Number	38462-23-6
Molecular Formula	C ₁ H ₂ 3N
Molecular Weight	229.36 g/mol
Physical Form	Liquid

1.2 Recommended Use

- Professional fragrance manufacture
- Fine fragrance
- Personal care products
- Home fragrance
- Candles
- Soap
- Detergents
- Air-care products

Uses Advised Against

- Internal consumption
- Pharmaceutical use
- Direct application without formulation
- Food or beverage use

1.3 Supplier

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SECTION 2: Hazard Identification

A complete manufacturer-issued SDS for Maritima® is not publicly available. The following classification is a representative supplier assessment for handling a neat aroma chemical and should be verified against the official IFF SDS supplied with the purchased batch.

GHS Classification (Representative)

- Skin Irritation – Category 2
- Eye Irritation – Category 2A
- Skin Sensitisation – Category 1
- Aquatic Chronic Toxicity – Category 2

Signal Word

Warning

Hazard Statements

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing vapours.
 - P264 Wash thoroughly after handling.
 - P273 Avoid release to the environment.
 - P280 Wear protective gloves and eye protection.
 - P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 - P333+P313 If skin irritation or rash occurs: Get medical advice.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
 - P391 Collect spillage.
 - P501 Dispose of contents/container according to local regulations.
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SECTION 3: Composition / Information on Ingredients



Component	CAS Number	Concentration
Maritima® (4-(4,8-Dimethylnona-3,7-dien-1-yl)pyridine)	38462-23-6	≥98% (typical commercial grade)

SECTION 4: First Aid Measures

Inhalation

Move the exposed person to fresh air.
Seek medical advice if symptoms persist.

Skin Contact

Wash immediately with soap and water.
Remove contaminated clothing.
Seek medical advice if irritation develops.

Eye Contact

Flush immediately with clean water for at least 15 minutes.
Obtain medical attention if irritation persists.

Ingestion

Rinse mouth.
Do not induce vomiting unless directed by medical personnel.
Seek immediate medical attention.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water fog

Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides
- Irritating organic fumes

Firefighters should wear self-contained breathing apparatus.



SECTION 6: Accidental Release Measures

- Wear suitable PPE.
 - Avoid release into drains and waterways.
 - Absorb with inert absorbent.
 - Transfer to suitable waste containers.
 - Wash contaminated surfaces thoroughly.
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SECTION 7: Handling and Storage

Handling

- Avoid skin and eye contact.
- Avoid breathing vapours.
- Use only in well-ventilated areas.
- Observe good industrial hygiene practices.

Storage

Store:

- Between 15–25 °C
 - In tightly sealed original containers
 - Protected from direct sunlight
 - Away from heat and ignition sources
 - Away from oxidising agents
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SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

General mechanical ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection

Nitrile gloves.

Respiratory Protection

Organic vapour respirator where ventilation is insufficient.

Skin Protection

Protective laboratory clothing.



SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Clear colourless to pale yellow liquid
Odour	Marine, fresh, ocean breeze, wet, airy
Physical State	Liquid
Molecular Weight	229.36 g/mol
Vapour Pressure (23 °C)	0.000086 mm Hg
Log P	6.4
Solubility	Practically insoluble in water; soluble in ethanol and perfume solvents

IFF describes Maritima® as a highly substantive marine ingredient with excellent performance in fine fragrance and fabric care applications.

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid

- Strong oxidising agents
- Excessive heat
- Direct sunlight

Hazardous Decomposition Products

- Carbon monoxide
 - Carbon dioxide
 - Nitrogen oxides
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SECTION 11: Toxicological Information

Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion

Potential Effects



- Skin irritation.
 - Eye irritation.
 - Allergic skin reaction in susceptible individuals.
 - Low acute toxicity under intended professional fragrance use.
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SECTION 12: Ecological Information

Avoid uncontrolled release into the environment.

Concentrated aroma chemicals may be harmful to aquatic organisms.

SECTION 13: Disposal Considerations

Dispose of unused product and contaminated packaging through an authorised waste disposal contractor.

Do not discharge into drains.

SECTION 14: Transport Information

Item	Information
UN Number	Not established (verify with manufacturer SDS)
Proper Shipping Name	Not classified for standard transport (subject to quantity and regulations)
Hazard Class	To be confirmed
Packing Group	To be confirmed

SECTION 15: Regulatory Information

Prepared with reference to:

- Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EC) No. 1272/2008 (CLP)
 - Commission Regulation (EU) 2020/878
 - OSHA Hazard Communication Standard (29 CFR 1910.1200)
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SECTION 16: Other Information



This Safety Data Sheet applies to Maritima®, an IFF aroma chemical with a powerful marine, fresh-air character used in fine fragrance and functional fragrance applications. IFF identifies the material as 4-(4,8-Dimethylnona-3,7-dien-1-yl)pyridine (CAS 38462-23-6) and describes its odour as a clean, wet, ocean-breeze note with excellent performance across fragrance applications.

Because the complete manufacturer-issued Safety Data Sheet is not publicly available, this document is a professional supplier SDS template and should be supplemented with the official IFF SDS for the specific production batch when available.

Authorised by

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Director
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