



MATERIAL SAFETY DATA SHEET (MSDS)

According to REACH (EC 1907/2006) & CLP (EC 1272/2008)

CLEARWOOD®

SECTION 1: IDENTIFICATION

Product Name: CLEARWOOD®

Product Code: 970953

CAS Number: 1450625-49-6 (main component)

Recommended Use:

Fragrance ingredient for use in consumer products

Restriction:

Not for personal use in this form or concentration

Supplier:

AROMOLOGY

G05 Alghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Email: info@aromology.com

Website: www.aromology.com

SECTION 2: HAZARD IDENTIFICATION

CLP Classification

- Aspiration Hazard – Category 1
- Skin Sensitisation – Category 1B
- Aquatic Chronic Toxicity – Category 2

Signal Word:

DANGER



Hazard Statements

- H304 – May be fatal if swallowed and enters airways
- H317 – May cause an allergic skin reaction
- H411 – Toxic to aquatic life with long lasting effects

Precautionary Statements

- Avoid release to the environment
- Wear protective gloves / eye protection
- Avoid skin contact
- IF SWALLOWED: Immediately call POISON CENTER
- Do NOT induce vomiting
- IF ON SKIN: Wash with soap and water
- Store locked up

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Natural product (biotechnologically derived patchouli-type material)

Main Components

Component	CAS	Approx %
Fermented Patchouli Oil Derivative	1450625-49-6	≥ 30–40%
Patchouli alcohol derivatives	Various	15–20%
Azulene derivatives	Various	10–15%
Caryophyllene	87-44-5	5–7.5%
Minor terpenoids	Trace	<1%



SECTION 4: FIRST AID MEASURES

General:

Seek medical advice immediately

Eye Contact:

Rinse with water for at least 10 minutes

Skin Contact:

Wash thoroughly with water and remove contaminated clothing

Inhalation:

Move to fresh air and keep at rest

Ingestion:

Rinse mouth and seek immediate medical attention

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media:

Foam, CO₂, dry chemical, water spray

Hazards:

No specific hazards identified

Protection:

Avoid inhalation of fumes

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Avoid inhalation and skin contact
- Eliminate ignition sources
- Ensure ventilation
- Absorb with inert material
- Prevent environmental release
- Dispose according to regulations



SECTION 7: HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes

Use PPE and maintain hygiene

Avoid high temperatures and ignition sources

Storage:

Store in tightly closed containers

Keep away from heat and temperature extremes

Do not reuse empty containers

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

No occupational exposure limits established

Engineering Controls:

Maintain adequate ventilation

PPE:

- Safety glasses
- Chemical-resistant gloves (nitrile / neoprene)
- Protective clothing

Respiratory Protection:

Use if ventilation insufficient

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Colour	Colourless to yellow
Odour	Characteristic woody
Flash Point	>100 °C



Property	Value
Boiling Point	~320 °C
Density	~0.958
Viscosity	~22.7 mPa.s
Water Solubility	Low (~20.9 mg/L)

(Data from supplier SDS)

SECTION 10: STABILITY AND REACTIVITY

- Stable under normal conditions
 - Avoid excessive heat
 - Avoid oxidising agents
 - No hazardous decomposition expected
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SECTION 11: TOXICOLOGICAL INFORMATION

- LD50 oral: >5000 mg/kg
- LD50 dermal: >5000 mg/kg
- Non-irritant to skin and eyes
- Skin sensitiser (LLNA positive)
- Non-mutagenic

(No carcinogenic classification)

SECTION 12: ECOLOGICAL INFORMATION

- Toxic to aquatic life
- Biodegradable (~64% in 28 days)
- Bioaccumulative potential present (Log Kow >3)
- Avoid environmental release



SECTION 13: DISPOSAL CONSIDERATIONS

Dispose as special waste in accordance with local regulations.
Do not release into environment or drainage systems.

SECTION 14: TRANSPORT INFORMATION

Parameter	Value
UN Number	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Class	9
Packing Group	III
Marine Pollutant	Yes

✓ Classified for transport

SECTION 15: REGULATORY INFORMATION

Complies with:

- REACH Regulation (EC 1907/2006)
- CLP Regulation (EC 1272/2008)

Chemical Safety Assessment: Completed

SECTION 16: OTHER INFORMATION

This MSDS is adapted from supplier documentation (dsm-firmenich) and reflects current regulatory data.

Information is provided for safe handling, storage, and use.