



Material Safety Data Sheet

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Section 1 - Product and company identification

Manufacturer's Name

CH Harmony Co., Ltd.

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Product Identification

LNB Lavender Essential Oil

(LNB 라벤더에센셜오일)

Section 2 - Hazards Identification

Hazard-Risk Classification

Aquatic Acute 1

Aquatic Chronic 1

Label Elements

Hazard Pictograms

GHS09



GHS Signal Word : Warning

Hazard Statements : H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention : P273 Avoid release to the environment.

Response : P391 Collect spillage.

Storage : No data.

Disposal : P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazards Which Do Not Result in Classification (e.g. Dust Explosion Hazard)

No data.

Section 3 - Composition of ingredients

This product formulation contains no ingredients at their given percentages that are considered hazardous to your health.

INCI Name	INCI Name(Kor.)	CAS No.
Lavandula Angustifolia (Lavender) Oil	라벤더오일	8000-28-0

- Refer to Component Data Sheet provided by CH Harmony for more information on % breakdown.

Section 4 - First Aid Measures

Eye contact

Consult an ophthalmologist promptly.

Wash well-open eyes immediately, abundantly and thoroughly with soap and water for at least 20 minutes.

Skin contact

Immerse or wash off the affected area with plenty of cold water if the material is hot.

Get immediate medical advice/attention.

In case of minor skin contact: Prevent from spreading of polluted area.

If skin irritation or rash occurs: Get medical advice/attention.

Take of the polluted clothes and wash before reuse.

Eye contact

Move to fresh area.

In case of apnea: Give CPR to him/her.

In case of difficulty in breathing: Provide oxygen to him/her.

Keep a person warm and at rest.

Ingestion

Get immediate medical advice/attention.

Other advices for doctors

Be aware of relevant substance and take protective actions.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Alcohol-resistance foam extinguishing agent, carbon dioxide or water spray

In case of extinguishment by smothering: Use dry sand or soil

Special hazards arising from the chemical substance or mixture

During a fire, irritating and toxic smoke may be generated by pyrolysis or combustion.

Container may explode when heated.

Partially flammable but not ignited easily.

Nonflammable substance may be decomposed when heated and form corrosive/toxic fume.

Extinguishing media which must not be used for safety reasons:

none.

Special protective equipment and precautions for fire-fighters

Wear appropriate protective equipment.

Avoid the area, maintain the safety distance and extinguish fire.

Be cautious of transferrable fused substances.

Lock up the fire fighting water by digging ditches and do not let the substances to get scattered.

If not dangerous, containers may be transferred in fire area.

In case of fire on tank:

-Extinguish the fire with the maximum distance or use unmanned equipment.

-Cool down the container with plenty of water even after fire is extinguished.

-Evacuate immediately if pressure relief device makes a noisy sound or the color of tank changes.

-Evacuate from the tank in flames.

-In case of large fire: Use unmanned equipment. If it's impossible, retreat and let it burn.

-Water, scattered when the container is heated or exploded, may burn the skin or eyes.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

If there is no risk, take actions to stop the leakage.

Wear appropriate personal protective equipment before handling the damaged container or leakage.

Environmental precautions

Do not discharge into drains, surface waters, groundwater, and sealed area.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Section 7 - Handling and Storage

Precautions for safe handling:

Wash contacted area thoroughly after usage.

Since emptied containers may retain product residue, follow MSDS/label warnings even after containers are emptied.

Avoid prolonged or continuous skin contact.

Be aware of the substances and conditions to avoid.

Handle in accordance with engineering control and use personal protective equipment.

Conditions for safe storage, including any incompatibilities

Containers should be kept closed in order to minimize contamination.

Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid".

Section 8 - Exposure controls / Personal Protection

Chemical and biological exposure limits:

No exposure guideline is available for the product. Data on each component is written.

-Domestic regulation: No data

-ACGIH: No data

-Biological exposure limit: Not applicable

Appropriate engineering controls:

A workplace to store or handle this substance should be provided with a washing station and emergency shower station.

Personal protective equipment:

-Respiratory protection:

: Wear a protective apparatus for respiration organs certified by Korea Occupational Safety and Health Agency adequate for physicochemical properties of exposed substance.

-Eye protection:

: Washing station and emergency shower station should be installed near the workplace.

Wear goggles and face protection equipment.

-Hand protection:

: Wear suitable chemically resistant gloves.

-Body protection:

: Wear suitable chemically resistant clothes.

Section 9 - Physical and Chemical Properties

Test Item		Specification
Appearance		Colorless to yellow color liquid
Odor		Characteristic odor
Specific Gravity		0.85 ~ 0.95
pH Value		N/A
Microbes	germs	≤ 100 CFU/ml
	pathogenic bacterium	non-detection
Heavy Metal (Pb)		≤ 10 ppm
Arsenic (As)		≤ 2 ppm

Section 10 - Stability and Reactivity

Chemical stability

Containers may explode when heated.

Partially flammable but not ignited easily.

Nonflammable substance may be decomposed when heated and form corrosive/toxic fume.

Stable at room temperature and at atmospheric pressure

Conditions to avoid

Contamination.

Ignition sources such as heat, spark and flames.

Substances to avoid:

No data.

Hazardous decomposition products

During a fire, irritating and toxic smoke may be generated by pyrolysis or combustion.

Corrosive/toxic fume.

Section 11 - Toxicological Information**Information on likely routes of exposure:**

No data.

Skin contact

No data.

Eye contact

No data.

Inhalation

No data.

Section 12 - Ecological Information**Ecotoxicity**

Fish : LC50 0.572 mg/l 96 hr (Estimated)

Crustaceans : LC50 1.742 mg/l 48 hr, *Daphnia magna* (Estimated)

Algae: EC50 0.437 mg/l 96 hr (Estimated)

Persistence and Degradability

Persistence : 3.93 log Kow (Estimated)

Degradability : No data.

Bioaccumulative potential

Bioconcentration factor (BCF) : 182 (Estimated)

Biodegradability : No data.

Mobility in soil

1080 (Estimated)

Other adverse effects

Do not allow the material to enter streams, sewers or other waterways.

Section 13 - Disposal Considerations**Waste treatment methods:**

Dipose of by high-temperature incineration.

Disposal methods/information:

Disposal must be in accordance with current applicable laws and regulations.

Section 14 - Transport Information**UN Number(UN No.)**

3082

UN Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport Hazard Class(es)

9

Packing Group

III

Environmental Hazards

Marine Pollutant : No data.

Special Precautions for User

Emergency measures in case of fire (EmS Fire Schedule) : F-A

Emergency measures in case of spillage (EmS Spillage Schedule) : S-F

Section 15 - Regulatory Information

Chemical Safety Assessment

Chemical Safety Assessment for substances in this preparation were not carried out.

Section 16 - Other Information

The data given here is based on our current knowledge and experience.

The purpose of this safety data sheet is to describe

the products in terms of their safety requirements.

The data does not signify any warranty with regard to the products' properties.

For more detailed information, Please contact CH Harmony Co., Ltd. (Tel. +82 70 8670 1900)