

**PT. Herlina Indah****SAFETY DATA SHEETS****SOFFELL  
MOSQUITO REPELLENT SPRAY****Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Trade Name : Soffell Mosquito Repellent Liquid Spray Floral Fragrance  
Soffell Mosquito Repellent Liquid Spray Fresh Fragrance

Manufactured by : PT. HERLINA INDAH  
Pulo Gadung Industrial Estate  
Jl. Rawa Sumur II Blok DD No. 16  
Jakarta 13930 INDONESIA  
Contact in case of emergency : 6221 4682 2727,  
08001 282828 (local toll free)


Product use : Insect repellent

**Section 2. HAZARDS IDENTIFICATION**

Conforms to GHS 7th edition standard

**GHS Classification of Substance or Mixture** : Etanol solution  
Flammable Liquid – Category 3  
Eye Irritation – Category 2A  
Skin Sensitization – Category 1B

**GHS Label Element**

Symbol : 

Signal word : Warning.

Hazard Statement : Flammable liquid and vapour  
Causes serious eye irritation  
May cause an allergic skin reaction

**Precautionary Statement**

: For external use only.  
Avoid contact with eyes. Consult your doctor for application children under 4 years of age.  
Do not apply on furniture, plastics, painted surface and syntetic clothing





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**Section 3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Material</u>	<u>Cas Ident. No.</u>	<u>% by wt.</u>
DEET (N,N- Diethyltoluamide)	134-62-3	12.00
Alcohol	64-17-5	25.00 – 35.00
Other Ingredients	NA	50.00 – 65.00

**Section 4. FIRST AID MEASURES**

Eye contact	: Immediately flush with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
Skin contact	: If reactions occur, wash thoroughly and seek medical attention.
Inhalation	: Move to fresh air. If breathing is affected, get medical attention.
Ingestion	: Call a physician immediately for treatment advice. If victim is conscious, rinse mouth with plenty of water and drink 1-2 glasses of water. Never give anything by mouth to a person who is unconscious or drowsy. Do not induce vomiting unless directed to do so by medical personnel.
Notes to physician	: None
General advice	: Keep out of reach of children

**Section 5. FIRE FIGHTING MEASURES**

Flash point	: 52 °C
Flammable properties	: Flammable Liquid – Category 3 (by GHS Seventh revised edition, 2017)
Extinguishing media	: Water spray, dry chemical, carbon dioxide or alcohol-resistant foam.
Special hazard arising from the chemical	: Flammable liquid.
Special fire fighting procedures	: Wear full protective clothing and positive pressure self-contained breathing apparatus.

**Section 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	: Eliminate all ignition sources. Wear personal protective equipment. Wash thoroughly after handling.
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Use appropriate containment to avoid environmental contamination.
Methods for cleaning up	: Dike large spills. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.





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**Section 7. HANDLING AND STORAGE**

**Handling**

- Advice on safe handling : Use only as directed.  
Advice on protection against fire and explosion : Keep away from heat and sources of ignition.  
Take measures to prevent the build up of electrostatic charge.  
To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.

**Storage**

- Requirements for storage areas and containers : Keep in a dry, cool and well-ventilated place.  
Keep container closed when not in use.

**Section 8. EXPOSURE CONTROL, PERSONAL PROTECTION**

- Engineering controls** : General ventilation normally adequate

**Personal protective equipment**

**Respiratory protection**

- Industrial setting : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.  
Household setting : No personal respiratory protective equipment normally required.

**Hand protection**

- Industrial setting : For prolonged or repeated contact use protective gloves.  
Household setting : No protective equipment is needed under normal use conditions.

**Eye protection**

- Industrial setting : If prolonged or repeated contact is possible, use safety glasses with side-shields.  
Household setting : No protective equipment is needed under normal use conditions.

**Hygiene measures**

- : Use only with adequate ventilation. Wash thoroughly after handling. Wear suitable protective clothing.

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state : Liquid.  
Appearance/ color : Yellowish liquid (Floral Fragrance).  
Light orange liquid (Fresh Fragrance).  
Odor : Floral (Floral Fragrance).  
Fresh fruity (Fresh Fragrance).  
pH : 5.0 - 8.0 (28°C).  
DEET acceptance limit : 11.28 – 12.72 % by wt (Indonesia MOA standard)  
Viscosity : not applicable  
Density : 0.94 – 0.98 g/cm<sup>3</sup> (28°C).  
Flash point : 52°C  
Melting point/ freezing point : No data available  
Boiling point : No data available





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Lower and upper explosion limit: No data available  
Auto ignition temperature : No data available  
Decomposition Temperature : No data available  
Partition coefficient n- octanol : No data available  
Vapour pressure : No data available  
Relative vapour density : No data available  
Particle characteristics : No applicable  
Water solubility : Dispersible.

**Section 10. STABILITY AND REACTIVITY**

**Reactivity**

Conditions to avoid : Heat, flames and sparks.  
Materials to avoid : Oxidizing agents, natural rubber, plastic, aluminium.

**Chemical Stability**

Product stability : Stable under recommended storage conditions.

**Other**

Hazardous decomposition products : When exposed to fire, produces normal products of combustion.  
Possibility of hazard reaction : Will not occur.

**Section 11. TOXICOLOGICAL INFORMATION**

Acute Oral LD<sub>50</sub> : > 5000 mg/kg bw (GHS Rev. 7, Non Classified)  
Acute Dermal LD<sub>50</sub> : > 5000 mg/kg bw (GHS Rev. 7, Non Classified)  
Acute Inhalation LC<sub>50</sub> (4H) : 1330 mg/L (GHS Rev. 7, Non Classified)  
Skin irritation : Non Classified, GHS Rev. 7  
Eye Irritation : Causes serious eye irritation (GHS Rev. 7, toxicity category 2A)  
Skin Sensitization : May cause an allergic skin reaction (GHS Rev. 7, toxicity category 1B)  
Effect of chronic exposure : No data available.  
Carcinogenicity : None of the components of this product is listed as a carcinogen.  
Teratogenicity : No data available.  
Mutagenicity : No data available.  
Reproductive effects : No data available.

**Section 12. ECOLOGICAL INFORMATION**

Ecotoxicity effects : No data available  
Persistence and degradability : No data available  
Bioaccumulative potential : No data available  
Mobility in soil : No data available

**Section 13. DISPOSAL CONSIDERATIONS**

**Specify disposal container and method**

Industrial setting : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.  
Household setting : Consumer may discard empty container in trash, or recycle where facilities exist.





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**Section 14. TRANSPORT INFORMATION**

US Department of Transportation (DOST) : Ethanol Solution, 3, UN-1170, PG-III, Limited Quantity  
IATA : Ethanol Solution, 3, UN-1170, PG-III, Limited Quantity  
IMDG : Ethanol Solution, 3, UN-1170, PG-III, Limited Quantity

**Section 15. REGULATORY INFORMATION**

This product has been classified in accordance with regulations of the Ministry of Agriculture (MOA) (2015) and Ministry of Health (MOH) of Indonesia and Globally Harmonized System of Classification and Labelling of Chemical (GHS) seventh revised edition (2017)

**Section 16. OTHER INFORMATION**

Date of preparation or last revision of MSDS August 2019  
Contact in case of emergency 6221 4682 2727, 08001 282828 (local toll free)

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

