MALVE CHEMICALS (INDIA) PVT. LTD.

MATERIAL SAFETY DATA SHEET
NEROLIN YARA YARA, 2-METHOXYNAPHTHALENE

01. Identification of the substance / preparation and company

Product Name	: NEROLIN YARA YARA, BETA NAPHTHYL METHYL-ETHER
Supplier Details	: M/s. Malve Chemicals (India) Pvt. Ltd.
	: F-1/23, MIDC, Badlapur. Dist. Thane (Maharashtra) INDIA
	: PIN – 421 503
Information	: 91251-2690846
Version Date	: 31.05.2020

02. Composition / information on ingredients

Beta-naphthyl methyl ether	: 99.00 to 99.97 %
Hazard symbols	: Xi N
R phrases	: 36/37/38 51/53
mol./wt.	: 158.20
Formula	: C11 H10 O
CAS No.	: 93-04-9
einecs number	: 202-213-6

03. Hazard identification

Most important hazards:
Irritant, Dangerous for the environment.
Irritation to eyes, respiratory system, and skin.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Keep out of the reach children.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable clothing, gloves and eye/face protection.
Avoid release to the environment. Refer to special instructions/safety data sheet

04. First-aid measures

Remove contaminated soaked clothing immediately and dispose of safely.

After Eye contact:
In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes.

After Skin contact:
After contact with skin, wash immediately affected area with soap and plenty of water
After inhalation:
If inhaled, remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

After ingestion:
If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical advice.

05. Fire-fighting measures

Extinguishing media:
Water spray, carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.

Special firefighting procedures:
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards:
Emits toxic fumes under fire conditions.

06. Accidental release measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Keep people away, evacuate area.

To avoid possible contamination of the environment, Do not discharge into any drains surface waters or ground waters.

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors.

Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

07. Handling and storage

Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eye shields and protective clothing. Smoking should not be permitted in work areas.

Provide suitable air extraction ventilation in the work areas. Vapors may form explosive mixtures with air. Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).

To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/overheating and light sources.
Keep only in original container.

08. Personal protection

Respiratory protection:
Do not breath vapors. Mechanical exhaust required. In confined or poorly ventilated areas, the use of an appropriate respiratory protection may be requires.

Hand protection:
Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Eye protection:
Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Body protection:
Light protective clothing recommended. Wash contaminated clothing before reuse.

Hygiene measures:
Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Safety shower and eye bath recommended.

09. Physical and chemical properties

Appearance / odor:
White crystalline flake / naphtha sweet naphthyl floral orange blossom acacia neroli

Melting point	: 72.00 to 76.00°C. @ 760.00 mmHg
Boiling point	: 274.00°C. @ 760.00 mmHg
Flash point (Deg. F.)	: > 230.00 °F. TCC (> 110.00°C)
Flammability	: Not determined
Auto flammability	: Not determined
Explosive properties	: Not determined
Oxidizing properties	: Not determined
Vapor pressure	: 0.00823 mm/Hg @ 25.00 °C
Vapor density	: Not determined
Volatile by volume	: Not determined
Evaporation rate	: Not determined
Specific gravity	: Not determined
PH of product	: Not determined
Solubility in water	: Very Slightly Soluble

10. Stability and reactivity

Stability	:	Stable
Conditions to avoid	:	Heat, excessive heat, open flames and other sources of ignition.
Incompatibility	:	Strong oxidizing agents, strong reducing agents.
Hazardous decomposition Product	:	Hazardous combustion or decomposition product: carbon monoxide, carbon dioxide. Hazardous polymerization will not occur.

11. Toxicological information

Acute effects	:	Irritant, Dangerous for the environment. Irritation to eyes, respiratory system, and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Oral Toxicity (LD50)	:	Oral-Rat > 5000.00 mg/Hg (Levenstein, 1974h) Oral-Mouse [sex: M, F] 825.00 mg/kg (Schafer & Bowles, 1985)
Dermal Toxicity (LD50)	:	Skin-Rabbit >5000.00 mg/kg
Skin Irritation	:	Not determined
Eye Irritation	:	Not determined
Inhalation data (LC50)	:	Not determined
Mutagenicity data	:	Not determined
Photo toxicity data	:	Not determined
Human experience	:	4% solution: no irritation or sensitization.
Carcinogenicity	:	Per OSHA, IARC, NTP, ACGIH, OEHHA-Prop 65, RTECS: No
Reproductive toxin	:	Per OSHA, IARC, NTP, ACGIH, OEHHA-Prop 65, RTECS: No
On the TSCA Inventory?	:	Yes

12. Ecological information

Biodegradability

Readily biodegradable	: Yes
Inherently biodegradable	: Not determined

Ecotoxicity

Fish	: Not determined
Algae	: Not determined
Daphnia	: EC50 9.40 MG/L/96H Daphnia magna EG 92/69
Bacteria	: Not determined
Further information	: Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.
Mixture reportable to	: None found

13. Disposal considerations

Dispose of in accordance with all state and local environment regulations.

14. Transport Information

General : LQ Number: 27

US DOT Hazard Class	: Environmentally Hazardous Substance, Solid, N.O.S.
UN Number	: 3077
UN Pkg. Group	: III
UN item	: 12 C
ERG Number	: Not determined

Land Transport (ADR/RID)

Class	: 9
Transport factor	: 1

Marine Transport (IMDG)

IMDG-class	: 9
Page No.	: Not determined
MFAG	: Not determined
Em S-No.	: Not determined

Air Transport (IATA)

IATA-class	: 9
Passenger	: 911 NO LIMIT
Cargo	: 911 NO LIMI

15. Regulatory Information

European information:
Xi N- Irritant, Dangerous for the environment
R 36/37/38 - Irritating to eyes, respiratory system, and skin.
R 51/53 - Toxic to aquatic Organisms, may cause long-term adverse effect in the aquatic environment.

S 02 - Keep out of the reach of children.

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
S 36/37/39 - Wear suitable clothing, gloves and eye/face protection.
S 61 - Avoid release to the environment. Refer to special instructions/safety data sheet.

16. Other information

Hazardous materials identification system:

Fire :1	Health: 1	Reactivity: 0	Personal protection: B