



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE	A0183
PRODUCT NAME	METHYL 2-NONENOATE
SUPPLIER	Shanghai M & U International Trade Co., Ltd. Rm 1717, No 598 North NuJiang Road 200333 Shanghai, China +86-21-32515501 32515502 sales@mu-intel.com

FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)

2. HAZARD IDENTIFICATION:

UN GHS classification	Hazard category
Flammable Liquids	Category 4
Skin corrosion/ irritation	Category 3

Labeling	Symbol
Signal Word	No Data Available
Warning	

Hazard statement
Combustible liquid
Causes mild skin irritation

Precautionary statements
Keep away from heat/ sparks/ open flames/ hot surfaces-No smoking
Keep container tightly closed
Take precautionary measures against static discharge
Wear protective gloves/ protective clothing/ eye protection/ face protection
Wash hands thoroughly after handling
Do not eat, drink or smoke when using this product

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

SYNONYM	NEOFOLIONE
Formula	C10 H18 O2
Molecular weight	170.25
CAS-No	EC-No
111-79-5	203-908-7

4. FIRST-AID GUIDE:

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/ physician if you feel unwell

Skin contact

Remove/ Take off immediately all contaminated clothing
Rinse skin with water / shower
Wash with plenty of soap and water
Call a POISON CENTER or doctor/ physician if you feel unwell
Specific treatment (see instruction on this label)
Take off contaminated clothing and wash before reuse
If skin irritation occurs: Get medical advice/ attention

Eye contact

Rinse cautiously with water for several minutes
Remove contact lenses, if present and easy to do
Continue rinsing
If eye irritation persists: Get medical advice/ attention

Ingestion

Call a POISON CENTER or doctor/physician if you feel unwell
Rinse Mouth
Do **NOT** induce vomiting

Other information

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: get medical attention

5. FIRE-FIGHTING GUIDE:

Fire and explosive properties

This product is not known to present any fire hazard

Fire Fighting Instruments

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/ NIOSH (approved or equivalent), and full protective gear.
Use water spray to keep fire-exposed containers cool

Extinguishing Media

In case of fire, use water, dry chemical foam, or CO₂
Use water spray to cool fire-exposed containers
Use agent most appropriate to extinguish fire

6. ACCIDENTAL RELEASE GUIDE:

General information

Use proper personal protective equipment as indicated in section 8

7. HANDLING AND STORAGE:

Handling

Wash thoroughly after handling

Use only in a well-ventilated area

Avoid breathing dust, vapor, mist, or gas

Avoid contact with eyes, skin, and clothing

Empty containers retain product residue, and can be dangerous

Keep container tightly closed

Keep away from heat, sparks and flame

Avoid ingestion and inhalation

Do not pressurize, cut weld, braze, solder, drill, grin, or expose empty containers to heat, or open flames

Storage

Store in a tightly closed container

Store in a cool, dry, well-ventilated area away from incompatible substances

Keep away from sources of ignition

8. EXPOSURE AND PERSONAL PROTECTION:

Eyes

The use of Goggles or a face shield is recommended

Respiratory

Respiratory protection is normally not required in well ventilated areas

However, NIOSH approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area

Other Protective Devices

Chemical resistant gloves are recommended

Ventilation

Ventilation meeting ACGIH Standards should be employed

Work/Hygienic Practices

Use good personal hygiene practices; Limit exposure to product whenever possible

Wash any contaminated clothing or shoes before each use

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State

liquid

Appearance	colorless to slightly yellow liquid
Odor	Fresh, sweet, green violet pear, fruity
Evaporation Rate	Not available
Boiling Point	216°C
Flash Point	90°C
Refractive index 20°C	1.440-1.448
Specific Gravity/Density 25/25°C	0.892-0.898
Acid Value	1.0mg KOH/g
Solubility	soluble in alcohol; insoluble in water

10. STABILITY AND REACTIVITY:

Chemical Stability

Stable at room temperature in closed containers under normal storage and handling conditions

Conditions to Avoid

Incompatible materials, ignition sources, dust generation, excess heat

Incompatibilities with Other Materials

Oxidizing agents, reducing agents, strong bases

Hazardous Decomposition Products

Has not been reported

Hazardous Polymerization

Has not been reported

11. TOXICOLOGICAL INFORMATION:

Oral Toxicity (LD50)

Oral-Rat >5000.00 mg/ kg

Dermal Toxicity (LD50)

Skin-Rabbit >5000.00 mg/ kg

Inhalation Toxicity (LC50)

Not determined

12. ECOLOGICAL INFORMATION:

General

Take care to prevent chemicals from entering the ground, water course, or drainage system

13. DISPOSAL RECOMMENDATIONS:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste
US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3
Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification

14. TRANSPORTATION INFORMATION:

DOT (US)

NA-Number: 1993 Class: CBL Packing group: III
Proper shipping name: Combustible liquid, n.o.s. (Methyl non-2-enoate)
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

UN number: 3082 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Methyl non-2-enoate)
Marine pollutant: No

IATA

UN number: 3082 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Methyl non-2-enoate)

Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION:

Canada Domestic Sub List

Yes

EPA Chem. Sub. Inventory

Yes

WGK Germany

1

European/ International Regulations REGULATION (EC) No 1272/2008

Not classified

16. OTHER INFORMATION:

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the MSDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the MSDS. The user should review these regulations to ensure full compliance.