LONGWIND
CROPSCIENCE USA LLC

www.longwind-us.com

SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication 29 CFR 1910.1200 (g)(2).

Neatland 480 SL

Version	Revision Date:
2.0	07/25/2026

1. IDENTIFICATION OF THE PRODUCT & COMPANY

Product Name: **Neatland 480 SL**

Other means of identification: EPA Reg. No. 103087-7

Intended Use: Fungicide

Company Identification:
Longwind Cropscience USA LLC.
8 THE GREEN, STE A, DOVER, KENT,
DE, 19901, UNITED STATES

Emergency Information: In the event of a leak, fire or medical emergency involving a human or animal please call INFOTRAC: 1-800-535-5053 or Outside the USA and Canada at 1-352-323-3500, 24/7/365.

2. HAZARD IDENTIFICATION

GHS-US classification

Health and Environmental Hazards:

Acute toxicity - Oral	Category 4
Eye irritation	Category 2A

Required Label Elements



Pictograms:

Signal Word: Warning

Hazard Statements:
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

Precautionary Statements:
Prevention:
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage and Disposal:
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/ container to an approved waste disposal plant.

Other information
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	CONTENT %	Active Ingredient
Metalaxyl-M	70630-17-0	44.6-47.4	X
Acetophenone	98-86-2	5-20	
Ethylene glycol	107-21-1	15-30	
Calcium dodecylbenzene sulfonate	26264-06-2	＜5	

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice: Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
Skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.
Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.
Inhalation: Take the victim into fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Extinguishing media - small fires. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Extinguishing media - large fires. Alcohol-

resistant foam.
Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.
Fire and Explosion Hazards: Exposure to decomposition products may be a hazard to health.
Further information: Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.
Special protective equipment for fire-fighters: Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to protective measures listed in sections 7 and 8.Keep people away from and upwind of spill/leak.Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.Remove all sources of ignition.Pay attention to flashback.
Environmental precautions: Prevent further leakage or spillage if safe to do so.Do not flush into surface water or sanitary sewer system.If the product contaminates rivers and lakes or drains inform respective authorities.
Method for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

7. HANDLING AND STORAGE

Handling : Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Use only in an area containing flame proof equipment.
Take precautionary measures against static discharges.
For personal protection see section 8.

Storage : Keep containers tightly closed in a dry, cool and wellventilated place.
Keep out of the reach of children.
Keep away from combustible material.
Keep in an area equipped with sprinklers.
Keep away from food, drink and animal feedingstuffs.
No smoking.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters
Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame-ters / Permissible concentration	Basis
Acetophenone	98-86-2	TWA	10 ppm	ACGIH
		TWA	10 ppm	US WEEL

Engineering measures：The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product. For commercial applications and/or on-farm applications consult the product label.
Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards.Where necessary, seek additional occupational hygiene advice.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Tightly fitting safety goggles. Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.
Skin and body Protection: No special protective equipment required. Select skin and body protection based on the physical job requirements.
Hand protection: No special protective equipment required.
Respiratory Protection: No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow liquid
Ordor:	Garlic-like odor
Melting/Freezing Point:	Not determined
pH:	5.0-8.0
Solubilities:	Not determined
Flammability:	Flash point not obtained until boiling at 85.9 °C, 1001.2 hPa
Explosive properties:	Non-explosive
Density:	1.07 g/mL at 20 °C
Viscosity：	35.67 mPa/s at 20 ± 0.2 °C 15.62 mPa/s at 40 ± 0.2 °C

10. STABILITY AND REACTIVITY

Reactivity: None reasonably foreseeable.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.
Conditions to Avoid: No decomposition if used as directed.
Incompatible Materials: None known.
Hazardous Decomposition Products: No hazardous decomposition products are known.

11. TOXICOGICAL INFORMATION

Product Information	
Acute oral toxicity	LD50 (Rat, female): 550 mg/kg
Acute inhalation toxicity	LC50 (Rat, male and female): > 5.58 mg/l
	Exposure time: 4 h
	Test atmosphere: dust/mist
	Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	LD50 (Rat, male and female): > 2,000 mg/kg
	Assessment: The substance or mixture has no acute dermal toxicity
Skin corrosion/irritation	No skin irritation for rabbit
Serious eye damage/eye irritation	Irritation to eyes, reversing within 21 days (Rabbit)
Respiratory or skin sensitization	Not skin sensitization (Guinea pig)

Active ingredient information - Metalaxyl-M

Germ cell mutagenicity	Animal testing did not show any mutagenic effects
Carcinogenicity	No evidence of carcinogenicity in animal studies.
Reproductive toxicity	No toxicity to reproduction

12. ECOLOGICAL INFORMATION

Product Information

Birds (Coturnix Japonica) :	Acute oral LD_{50}: 816.81 mg/kg-bwt
Fish (Danio rerio) :	96-hour LC_{50}: 18.7 mg/L
Daphnia:	48-hour LC_{50}: 154.9 mg/L
Green algae:	72-hour EyC_{50}: 3.7 mg/L 72-hour ErC_{50}: 46.4 mg/
Honeybees:	Contact LC_{50}(48h) :> 100 a.i. µg/bee Oral LC_{50}(48h): >100 a.i. µg/bee
Earthworms:	LC_{50}(14d): >1050 mg/kg.

Active ingredient information - Metalaxyl-M

Persistence and degradability	Biodegradability: Result: Not readily biodegradable. Stability in water: Degradation half life: 22.4 - 47.5 d Remarks: Product is not persistent.
Bioaccumulative potential	Low bioaccumulation potential.
Mobility in soil	Metalaxyl has a range from low to very high mobility in soil depending on soil type. Dissipation time: < 50 d Percentage dissipation: 50 % (DT50) Remarks: Product is not persistent.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues/unused products

Do not contaminate ponds, waterways or ditches with chemical or used container.

Do not dispose of waste into sewer.

Where possible recycling is preferred to disposal or incineration.

If recycling is not practicable, dispose of in compliance with local regulations.

This product will not be classified as a RCRA characteristic hazardous waste when discarded.

Contaminated packaging

Empty remaining contents.

Triple rinse containers.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Do not re-use empty containers.

14. TRANSPORTATION INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. REGULATORY INFORMATION

EPA-FIFRA LABEL INFORMATION THAT DIFFERS FROM OSHA-GHS REQUIREMENTS:

Pesticide products in the U.S. are registered by the EPA under FIFRA and are subject to certain labeling requirements under federal pesticide law. These requirements may differ from the classification criteria and hazard information required by OSHA GHS for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the FIFRA pesticide label:

U.S. EPA Label Information

EPA Pesticide Registration Number 103087-7

EPA Pesticide Label CAUTION. Causes moderate eye irritation. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

US Federal Regulations

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

Chemical name	SARA 313 - Threshold Values %
Acetophenone- 98-86-2	5-30
Ethylene glycol - 107-21-1	15-30

SARA 311/312 Hazard Categories

Acute toxicity (any route of exposure)

Serious eye damage or eye irritation

CERCLA

Components	CAS-No.	Component RQ (Kg)
Calcium dodecylbenzene sulfonate	26264-06-2	1000
Ethylene glycol	107-21-1	5000
Acetophenone	98-86-2	5000

16. OTHER INFORMATION

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.
If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.