

Safety Data Sheet (SDS) NEO 700WDG/01

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According to UN GHS 9th Ed
Revision Date: 2021/12/01

First print date: 2021/12/01

Version: 1.0

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Product identifier:

Identification as on the label/Trade name: **NEOACE 700 WDG**

Additional information: NEO 700WDG/01

Relevant identification uses of the substance and uses advised against:

Identified uses: Insecticide.

Uses advised against: Use only as directed.

Details of the distributor:

AECI Limited
14 Field Road, LILANTON

Details of the Manufacturer:

Shandong Weifang Rainbow Chemical Co., Ltd.
Binhai Economic Development Area,
Weifang, Shandong 262737,
China

Emergency telephone numbers:

Griffon Poison information centre: 082 446 8946
Poisons Information Helpline: 0861 555 777
AECI Limited: (011) 823 8000 (o/h) Spill Tech: 086 100 0366 (a/h)

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to

SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Acute toxicity oral (Category 3)	H301
Eye irritation (Category 2)	H319
Acute toxicity inhalation (Category 4)	H332
Hazardous to the aquatic environment (chronic 3)	H412

For full text of H statements see section 16

The most important adverse effects

The most important adverse physiochemical effects: None.

The most important adverse human health effects: Toxic if swallowed.

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Label elements:

Hazard pictograms:



Signal Word: Danger

Hazard Statements: H301 Toxic if swallowed. H319 Causes serious eye irritation. H332 Harmful if inhaled. H412 Harmful to aquatic life with long lasting effects.

Precautionary Statement: P260 Do not breathe mist/ vapours/ spray. P264 Wash thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor/ physician if you feel unwell.

Special labelling of certain mixture: None.

Other hazards: None.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

Substance name (IUPAC/EC)	CAS –No.	Concentration % By weight	Classification
	EC-No.		EC1272/2008
Acetamiprid	135410-20-7	70-80%	Acute toxicity oral (Category 4) H302. Aquatic chronic 3 H412.
	603-921-1		
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	1-2%	Skin irritation (Category 2) H315. Serious eye damage (Category 1) H318.
	931-534-0		

For full text of H statements see section 16

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of first aid measures:

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation persists.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation persist.

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In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation persists.

In case of ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed:

Inhalation: Harmful if inhaled.

Ingestions: Toxic if swallowed.

Skin contact: May cause skin irritation.

Eye contact: Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE -FIGHTING MEASURE

Extinguisher media:

Suitable extinguisher media: Carbon dioxide, dry powder, or alcohol-resistant foam.

SMALL FIRE: Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam.

LARGE FIRE: Extinguish large fires with carbon dioxide, dry powder, or alcohol-resistant foam.

Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Special hazards arising from the mixture:

Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, hydrogen chloride and nitrogen oxides.

Advice for fire-fighters:

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use an approved/certified respirator or equivalent.

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Keep all personal away. Avoid contact with skin, eyes, clothing.

For emergency responders: Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Isolate the spill area and limit the access to emergency responders only.

Environmental precautions:

Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

Methods for containment and cleaning up:

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For small spills: Avoid creating dusty conditions and prevent wind dispersal. Contain spilled material if possible. Collect in suitable and properly labelled containers. Absorb washings with materials such as: sand, earth, vermiculite or diatomaceous earth.

For large spills: Contain spill, sweep up, and place in well labelled container for disposal according to local regulations. Prevent entry into sewers, water courses, basements or confined areas. Avoid creating dusty conditions and prevent wind dispersal.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

Additional information:

None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid prolonged contact with concentrate. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Do not eat drink or smoke when handling this product.

Conditions for safe storage, including incompatibilities:

Store in its original, labelled and closed container in dry, cool, shaded, well-ventilated area. Do not store with other pesticides, fertilizer, seeds, foodstuffs and water supplies. Keep out of reach of unauthorized persons, children and animals. Local regulations should be complied with.

Specific end uses:

Use as directed. Use original container. Insecticide for agricultural use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL): No information available.

Biological exposure indices (BEI): No information available.

Additional exposure limits under the conditions of use: No information available.

Exposure control: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

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Appropriate engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of dust below their respective OEL's if applicable. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Use safety glasses. If there is a potential for exposure to mist/vapours which could cause eye discomfort, wear chemical goggles.

Hand protection: Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

Body protection: Wear appropriate clothing for task or operation. Keep working clothes separately.

Respiratory protection: Respiratory protection is required use an approved air-purifying respirator.

Environmental exposure controls: Prevent product from entry into sewers and water courses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance (form): Solid.

Colour: Light brown.

Odour: No specific odour.

Odour threshold: No information available.

pH (at concentration): 5.0-7.0 (1% suspension in water).

Melting point/range (°C): No information available.

Boiling point/range (°C): No information available

Flash point (°C): 70°C (closed cup).

Evaporation rate: No information available.

Flammability (solid, gas): Not applicable.

Ignition temperature (°C): No information available.

Upper/lower flammability/explosive limits: No information available.

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Vapour pressure (20°C): No information available.

Vapour density: No information available.

Specific gravity: No information available.

Water solubility (g/l) at 20°C: Dispersible in water.

n-Octanol/Water partition coefficient: No information available.

Auto-ignition temperature: No information available.

Decomposition temperature: No information available.

Viscosity: No information available.

Physical hazards:

None.

Other information:

Fat solubility (solvent-oil to be specified): No information available.

Bulk density: No information available.

Dissociation constant in water (p Ka): No information available.

Oxidation-reduction potential: No information available.

SECTION 10. STABILITY AND RELIABILITY

Reactivity:

But this product is stable under normal storage and handling conditions. May react with strong oxidizing agents (such as chlorates, nitrates, peroxides etc) and organic peroxide.

Chemical stability:

Stable under normal storage conditions for 2 years.

Possibility of hazardous reactions:

Hazardous polymerization does not occur.

Conditions to avoid:

Avoid dust formation.

Incompatible materials:

Strong oxidizing agents, strong acids or bases.

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Hazardous decomposition products: thermal:

Thermal decomposition or combustion may produce toxic and irritative gas or fume such as carbon oxides, nitrogen oxides, sulphur oxide and hydrogen chloride.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: No Information available.

Excretion:

Acetamiprid

Rapidly and almost completely absorbed (>96% after 24 h) and rapidly and almost completely excreted (90% after 96 h), mainly via urine. Extensively (>90%) metabolised, mainly by oxidation and demethylation.

Information on toxicological effects:

Acute toxicity:

NEOACE 700 WDG SL:

Acute toxicity oral for rats 208,5 mg/kg (calculated).

Acute toxicity inhalation for rats 1.64 mg/ℓ.

Acetamiprid

Acute oral LD₅₀ for male rats 217mg/kg, female rats 146 mg/kg.

Dermal LD₅₀ for rat >2000 mg/kg (male, female).

Inhalation LC₅₀ (4 h) for rats >1.15 mg/ℓ.

Chronic toxicity: No information available.

Skin corrosion/irritation:

Acetamiprid

Non-irritating to skin for rabbits.

Serious eye damage/irritation:

Acetamiprid

Non-irritating to eyes for rabbits.

Respiratory or skin sensitization:

Acetamiprid

Not a skin sensitiser for guinea pigs.

Germ cell mutagenicity:

Acetamiprid

Ames test: Negative

Carcinogenicity: No information available.

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Reproductive toxicity: No information available

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

Acetamiprid

Birds: Acute oral LD₅₀ for mallard ducks 98 mg/kg, bobwhite quail 180 mg/kg.

LC₅₀ for bobwhite quail >5000 ppm.

Fish: LC₅₀ (24-96 h) for carp >100 mg/ℓ

Daphnia: LC₅₀ (24 h) >200 mg/ℓ EC₅₀ (14 d) for *Lemna gibba* 1.0 mg/ℓ.

Bees: Acute oral LD₅₀ 14.5 µg/bee; (contact) 8.1 µg/bee

Persistence and degradability:

For the Product Not available.

Active ingredient: Not readily biodegradable.

Bioaccumulative potential:

For the product: Not available.

Active ingredient: This substance is not bioaccumulative.

Mobility in soil

Acetamiprid is moderately to highly mobile in most soils but is not expected to be persistent in the environment.

Results of PBT& vPvB assessment:

No information available.

Other adverse effects:

Results of PBT and vPvB assessment: This product does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Open dumping or burning of this pesticide is prohibited waste resulting from the use of this product that cannot be reused or reprocessed. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Waste Classification and Management Regulations (GN 634 of 2013). Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

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Product/ packaging disposal:

Emptied containers retain vapour and product residues. Observe all labelled safeguards until container is destroyed.

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

SECTION 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	2588	2588	2588
UN Proper shipping name:	PESTICIDE, SOLID, TOXIC, N.O.S (Acetamiprid)	PESTICIDE, SOLID, TOXIC, N.O.S (Acetamiprid)	PESTICIDE, SOLID, TOXIC, N.O.S (Acetamiprid)
Transport hazard class:	6.1	6.1	6.1
Packaging group:	III	III	III
Marine pollutant:	No	No	No
Special precautions for user:	Toxic solid	Toxic solid	Toxic solid
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code	Not required	Not required	Not required

Inland waterways: No information.

Emergency response information: No information.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

ACGIH: American Conference of Governmental Industrial Hygienists (ACGIH)

Relevant information regarding restrictions: None.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

Chemical Safety Assessment carried out? No

SECTION 16. OTHER INFORMATION

Indication of changes:

Updated formulation, all sections.

Relevant Classification and Hazard Statements:

Aquatic chronic 3: Hazardous to the aquatic environment (Chronic 3)

H301 Toxic if swallowed. H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage.

H319 Causes serious eye irritation. H332 Harmful if inhaled. H412 Harmful to aquatic life with long lasting effects.

Training instructions:

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Use as indicated on the label, special training may be required for application.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.