Safety Data Sheet

According to OSHA HazCom Standard [2024]

Date of issue: 01/07/2026 Version 1 Reviewed on 01/07/2026

1 Identification

Product identifier

Trade name: NORDOX 75 WG

Other means of identification

Application of the substance / the mixture:
Agricultural pesticides
Fungicide
Bactericide

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
NORDOX AS
Address: Østensjøveien 13, 0661, OSLO, Norway
Tel: +47 22 97 50 00
Fax: +47 22 64 12 08
E-mail: michael.nowak@nordox.no
Website: www.nordox.no

Emergency telephone number:

Emergency Telephone: National Capital Poison Control (800) 222-1222
EPA National Response Center: (800) 424-8802

2 Hazard(s) identification

Classification of the substance or mixture

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

Label elements

GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS09

Signal word Warning

Hazard-determining components of labeling:
dicopper oxide

Hazard statements
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Information:

Information pertaining to particular dangers for man and environment:

Classification system:
NFPA ratings (scale 0 - 4)

Health = 2
Fire = 0
Reactivity = 0

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HMIS-ratings (scale 0 - 4)

HEALTH	*1
FIRE	0
REACTIVITY	0

Health = *1
Fire = 0
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

3 Composition/information on ingredients

Description: Mixture: consisting of the following components.

Hazardous Components:		
1317-39-1	dicopper oxide Eye damage 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10); Acute toxicity - oral 4, H302; Acute toxicity - inhalation 4, H332	80-100%

Information on components:		
1317-39-1	dicopper oxide Eye damage 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10); Acute toxicity - oral 4, H302; Acute toxicity - inhalation 4, H332	80-100%

4 First-aid measures

Description of first aid measures

General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Move patient to fresh air, if symptom arise consult a doctor.

After skin contact:
Remove/ Take off immediately all contaminated clothing.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact:
Remove contact lenses.
Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:
Call for a doctor immediately.
Rinse out mouth with water.
Do not induce vomiting.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Dust may cause irritation in skin folds or by contact in combination with tight clothing.
The inhalation of emissions containing a high concentration of metallic oxides may cause, during the following 12 hours, transient febrile states

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:
Foam
Carbon dioxide

Dry powder
Water spray
Sand

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture
In case of fire, the following can be released:
Cupric oxide

Advice for firefighters

Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Avoid formation of dust.
Avoid inhaling dust and fumes.
Avoid contact with skin and eyes.
Ensure adequate ventilation
For non-emergency personnel Evacuate unnecessary personnel
For emergency responders
Equip cleanup and emergency crew with proper protection
Ventilate area

Environmental precautions:
Do not allow product to reach sewage system or any water course.
Avoid release into the environment.
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up:
Use neutralizing agent.
Collect mechanically.
Sweep or shovel into suitable containers
Dispose contaminated material as waste according to section 13.

Special spill response procedures:
Protective Action Criteria for Chemicals

PAC-1:
All components have the value 3.4 mg/m3.

PAC-2:
All components have the value 21 mg/m3.

PAC-3:
All components have the value 130 mg/m3.

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 disposal information.

7 Handling and storage

Precautions for safe handling
Thorough dedusting.
Provide suction extractors if dust is formed.

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.
Do not eat or drink while working.
Wash hands before breaks and at the end of work.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
Store in cool, dry conditions in well sealed receptacles.

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:	
1317-39-1 dicopper oxide	
TLV	Long-term value: 0.2* 1** mg/m³ as Cu *fume **dust/mist

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Avoid contact with the eyes and skin.
Do not inhale dust / smoke / mist.
Ensure that washing facilities are available at the work place.
Ensure good ventilation/exhaustion at the workplace.
Wash hands before breaks and at the end of work.

Do not eat, drink and smoke while working.

Breathing equipment: Filter P2

Protection of hands:

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves
Natural rubber, NR
Nitrile rubber, NBR

Neoprene gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information	
Physical state	Solid
Color:	Red-brown
Odor:	Slight.
Odor threshold:	Not determined
Melting point/Melting range:	>332 °C (>629.6 °F)
Boiling point/Boiling range:	1,800 °C (35.200 °F)
Flammability:	Not determined
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Flash point:	Not applicable
Auto-ignition temperature:	Not determined.
Decomposition temperature:	>332 °C (>629.6 °F)
pH-value at 20 °C (68 °F):	7-8.5
Viscosity:	
Kinematic:	Not applicable
Dynamic:	Not applicable
Solubility in / Miscibility with	
Water at 20 °C (68 °F):	0.000639 g/l
organic solvents at 20 °C (68 °F):	<14 g/100ml
Partition coefficient (n-octanol/water):	Not determined
Vapor pressure:	Not determined
Vapor pressure:	
Density at 20 °C (68 °F):	5.87 kg/l
Relative density at 20 °C (68 °F)	1.5 kg/l
Vapor density	Not applicable
Particle characteristics	Not determined

Other information

Appearance:	
Form:	Powder
Danger of explosion:	Product does not present an explosion hazard. Not determined

Flammability Limits:

Upper:	
VOC content:	0.00 %
Solids content:	100.0 %
Oxidizing properties	Not determined.

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Evaporation rate Not applicable.

10 Stability and reactivity

Reactivity Avoid raising dust.

Chemical stability

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

Possibility of hazardous reactions Dust may form flammable and explosive mixture with air

Conditions to avoid Protect against moisture.

Incompatible materials: No further relevant information available.

Hazardous decomposition products:
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:		
Oral	LD50	3,165 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Guinea Pig)
Inhalative	LC50/4h	>4.84 mg/L (Rat) (no deaths) dust/mist

1317-39-1 dicopper oxide		
Oral	LD50	1,340 mg/kg (Rat)
Inhalative	LC50/4h	3.34 mg/L (Rat)

Primary irritant effect:
on the skin: No irritant effect.
on the eye:
Guideline: 40 CFR 158 (81-4)
Fewer than 4 out of 6 rabbits had an mean score above thresholds and the effects were completely reversed within 21 days.
The classification criteria are not met.

Sensitization: No sensitizing effects known.

Additional toxicological information:
Interactive effects No interactive effects between components are known.

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients are listed.

NTP (National Toxicology Program)
None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients are listed.

Alternative sources for toxicological information
No non-standard sources for toxicological information where used.

12 Ecological information

Toxicity

Aquatic toxicity:	
EC50	0.0098-0.0412 mg/L (Daphnia)

1317-39-1 dicopper oxide	
LC50/96h	>0.173 mg/L (Cyprinodon variegatus)
EC50/48h	0.51 mg/L (Daphnia Magna)

Persistence and degradability Product has only a limited biodegradability in soil and water

Bioaccumulative potential
No evidence of bioaccumulative potential.
Bioconcentration factor (BCF) 2120 l/kg

Mobility in soil Adsorbs into the soil.

Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

Other adverse effects
Do not allow product to reach ground water, water course or sewage system.
Avoid release to the environment
Remark: Very toxic for fish

Additional ecological information

General notes:
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

Waste treatment methods
Recommendation:
Disposal must be made in accordance with official regulations.
Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation:
Disposal must be made according to official regulations.
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.
Recommended cleansing agent: Water, if necessary with cleaning agents.

14 Transport information

UN-Number
DOT, ADR, IMDG, IATA UN3077

UN proper shipping name
DOT Environmentally hazardous substance, solid, n.o.s. (dicopper oxide)
ADR 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dicopper oxide)
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dicopper oxide), MARINE POLLUTANT
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dicopper oxide)

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Transport hazard class(es)

DOT, ADR, IMDG, IATA

Class	9 Miscellaneous dangerous substances and articles
Label	9

Packing group

DOT, ADR, IMDG, IATA	III

Environmental hazards:

Marine pollutant:	Yes (DOT)

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

Transport/Additional information:

DOT

Quantity limitations	On passenger aircraft/rail: No limit On cargo aircraft only: No limit
Remarks:	Special marking with the symbol (fish and tree).

ADR

Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g

IMDG

Limited quantities (LQ)	5 kg
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g

Special precautions for user	Warning: Miscellaneous dangerous substances and articles
Hazard identification number (Kemler code):	90
EMS Number:	F-A,S-F
Stowage Category	A
Stowage Code	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

Sara

Section 355 (extremely hazardous substances):
None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):
All ingredients are listed.

USA - TSCA (Toxic Substances Control Act):
All components have the value ACTIVE.

Hazardous Air Pollutants
None of the ingredients are listed.

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Proposition 65

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients are listed.

Chemicals known to cause developmental toxicity:
None of the ingredients are listed.

Carcinogenic categories

EPA (Environmental Protection Agency)
None of the ingredients are listed.

TLV (Threshold Limit Value)
None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients are listed.

GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms

GHS09

Signal word Warning

Hazard-determining components of labeling:
dicopper oxide
Hazard statements
H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of previous version 01/07/2026
Date of preparation 01/07/2026

Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Acute toxicity - oral 4: Acute toxicity – Category 4
Eye damage 1: Serious eye damage/eye irritation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1