GPS Safety Summary
2,6-Dichloro-4-nitroaniline

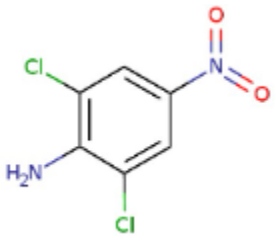
Reference number: AIL-GPS-098 Issue date: 28/04/2025 Version: 1.0 **CL-4: PUBLIC**

1. General Statements

2,6-Dichloro-4-nitroaniline is a crystalline yellow solid which is Aromatic odour.It is a combustible substance, poorly flammable.Practically insoluble in water.Acute or chronic health hazards result from the substance.

2. Chemical identification.

Name :2,6-Dichloro-4-nitroaniline
CAS number(s) :99-30-9
EC number :202-746-4
Molecular formula :C6H4Cl2N2O2
Structure :



3. Uses and Benefits

A fungicide used on a wide variety of vegetable and fruit crops. Inhibits fungal protein synthesis. Active against Botyris, Monilinia, Rhizopus, Sclerotinia and Sclerotium species. Commonly used for postharvest carrots, greenhouse cucumbers, endive, garlic, grapes, lettuce, onions, Irish potatoes, hot house rhubarb.Fungicide.antifungal medication, also known as an antimycotic medication, is a pharmaceutical fungicide or fungistatic used to treat and prevent mycosis such as athlete's foot, ringworm, candidiasis (thrush), serious systemic infections such as cryptococcal meningitis, and others. Such drugs are usually obtained by a doctor's prescription, but a few are available over the counter (OTC). The evolution of antifungal resistance is a growing threat to health globally.

4. Physical / chemical properties

Property	Value
Physical state :	Solid
Colour :	Yellow
Odour :	Aromatic odour
pH :	NA
Melting point :	195 °C
Boiling point :	> 350 °C
Flash point :	NDA
Density :	NDA

Solubility in Water:	0.7 g/100ml

5. Health Effects

Effect Assessment	Result
Acute toxicity (Oral / inhalation / dermal)	Fatal if swallowed, in contact with skin or if inhaled.
Irritation / corrosion Skin / eye/ respiratory tract	NA
Respiratory or skin sensitisation	NA
Toxicity after repeated exposure Oral / inhalation / dermal	May cause damage to organs through prolonged or repeated exposure
Genotoxicity / Mutagenicity	NA
Carcinogenicity	NA
Toxicity for reproduction	NA

6. Environmental Effects

Effect Assessment	Result
Aquatic toxicity	Yes
Fate and behavior	**Result**
Persistence and degradability	Biodegradability in soil: no data available.
Bioaccumulative potential	No bioaccumulation data available.

7. Exposure

Human health

2,6-Dichloro-4-nitroaniline isFatal if swallowed, in contact with skin or if inhaled.May cause damage to organs through prolonged or repeated exposure.The exposure must be kept as minimum as possible by the use of appropriate risk management measures suitable collective and personal protective equipment, good industrial hygiene practices and risk communication through appropriate training of workers.Careless handling or accidental spillage of the chemical could result in exposure to potentially hazardous levels of chemicals.Industrial workers should ensure that they follow the advice found in the extended safety data sheet (SDS).

Environment:

Care should be taken to avoid releases of these products to sewage, drainage systems and water bodies. Spillage shall be quickly collected in the event of an accidental release. More information about release measures and accidental release measures are available in the extended safety data sheet.

8. Risk Management Recommendations

Human health measures

Organizational	A basic standard of occupational hygiene is recommended. Ensure operatives are well informed of the hazards and trained to minimise exposures. Ensure regular inspection and maintenance of equipment and machines. Handle and store according to the indications of the Safety Data Sheet.	
Protection	Eye protection:	Face shield (EN 166). In case of dust production: protective goggles (EN 166)
	Skin and body protection:	In case of dust production: head/neck protection. Protective clothing (EN 14605 or EN 13034). In case of dust production: dustproof clothing (EN 13982)
	Respiratory protection:	Dust production: dust mask with filter type P2. On heating: Full face mask
Engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.	
Environment protective measures		
Avoid release to the environment		

9. First-aid measures

First-aid measures after inhalation: Remove the victim into fresh air.

First-aid measures after skin contact:Soap may be used. Do not apply (chemical) neutralizing agents without medical advice. Remove clothing while washing.

First-aid measures after eye contact: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents without medical advice.

First-aid measures after ingestion : Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Ingestion of large quantities: immediately to hospital. Call Poison Information Centre (www.big.be/antigif.html).

10. Fire-fighting measures

Extinguishing media

Suitable extinguishing media:: Quick-acting ABC powder extinguisher. Class A foam extinguisher. Water (quick-acting extinguisher, reel). Water. Class A foam.

Unsuitable extinguishing media : Quick-acting BC powder extinguisher. Quick-acting CO2 extinguisher.

Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: On heating/burning: release of toxic and corrosive gases/vapours (nitrous vapours, hydrogen chloride).

Advice for firefighters

Precautionary measures fire: Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows.

Firefighting instructions: Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

11. Accidental release measures

Protective equipment : Gloves (EN 374). Face shield (EN 166). Protective clothing (EN 14605 or EN 13034). Dust cloud production: self-contained breathing apparatus (EN 136 + EN 137). Dust cloud production: dust-tight suit (EN 13982).

Environmental precautions: Prevent soil and water pollution. Prevent spreading in sewers.

For containment : Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply.Dam up the solid spill. Take account of toxic/corrosive precipitation water. Knock down/dilute dust cloud with water spray. Heat exposure: dilute toxic gas/vapour with water spray.

12. Disposal consideration

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector’s sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

13. Handling and storage

Precautions for safe handling: Avoid raising dust. Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Clean contaminated clothing. Do not dischargethe waste into the drain. Keep the container tightly closed.

Hygiene measures: Observe normal hygiene standards.

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14. Classification and Labeling

Hazard pictograms (GHS US)	:	
Signal word (GHS US)	:	Danger
Hazard statements (GHS US)	:	H300+H310+H330 - Fatal if swallowed, in contact with skin or if inhaled H373 - May cause damage to organs through prolonged or repeated exposure
Precautionary statements (GHS US)	:	P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P262 - Do not get in eyes, on skin, or on clothing. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P284 - [In case of inadequate ventilation] wear respiratory protection. P301+P310 - If swallowed: Immediately call a poison center or doctor. P302+P352 - If on skin: Wash with plenty of water. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P310 - Immediately call a poison center or doctor. P314 - Get medical advice/attention if you feel unwell. P320 - Specific treatment is urgent (see supplemental first aid instruction on this label). P321 - Specific treatment (see supplemental first aid instruction on this label). P322 - Specific treatment (see supplemental first aid instruction on this label) P330 - Rinse mouth. P361+P364 - Take off immediately all contaminated clothing and wash it before reuse. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

15. Conclusion

2,6-Dichloro-4-nitroaniline is a crystalline yellow solid which is Aromatic odour.It is a combustible substance, poorly flammable.Practically insoluble in water.Acute or chronic health hazards result from the substance. The exposure must be kept as minimum as possible by the use of appropriate risk management measures as suitable collective and personal protective equipment, good industrial hygiene practices and risk communication through appropriate training of workers.

16. Contact Information within company

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information, consult the appropriate Safety Data Sheet (SDS) prior to use of the material named herein.