ChemicalBook

# Chemical Safety Data Sheet MSDS / SDS

## N-(4-chlorophenyl)-1,3,5-triazine-2,4-diamine monohydrochloride

Revision Date:2026-11-14 Revision Number:1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### Product identifier

| | |
|---|---|
| Product name | : N-(4-chlorophenyl)-1,3,5-triazine-2,4-diamine monohydrochloride |
| CBnumber | : CB1880634 |
| CAS | : 2019-25-2 |
| EINECS Number | : 2179624 |
| Synonyms | : Chlorazanil hydrochlorideide |

### Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| Relevant identified uses | : For R&D use only. Not for medicinal, household or other use. |
| Uses advised against | : none |

### Company Identification

| | |
|---|---|
| Company | : Chemicalbook |
| Address | : Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing |
| Telephone | : 010-86108875 |

## SECTION 2: Hazards identification

### GHS Label elements, including precautionary statements

Symbol(GHS)



Signal word Warning

**Precautionary statements**

P264 Wash skin thouroughly 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. Continuerinsing.

P264 Wash skin thouroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: wash with plenty of soap and water.

P321 Specific treatment (see … on this label).

P332+P313 IF SKIN irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

**Hazard statements**

H319 Causes serious eye irritation

H315 Causes skin irritation

H335 May cause respiratory irritation

## SECTION 3: Composition/information on ingredients

### Substance

| | |
|---|---|
| Product name | : N-(4-chlorophenyl)-1,3,5-triazine-2,4-diamine monohydrochloride |
| Synonyms | : Chlorazanil hydrochlorideide |
| CAS | : 2019-25-2 |
| EC number | : 2179624 |
| MF | : C9H9Cl2N5 |
| MW | : 258.107 |

## SECTION 4: First aid measures

### Description of first aid measures

### After inhalation

In case of unconsciousness place patient stably in side position for transportation.

### After skin contact

Immediately wash with water and soap and rinse thoroughly.

### After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

### After swallowing

If symptoms persist consult doctor.

### Most important symptoms and effects, both acute and delayed

No further relevant information available.

### Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

### Extinguishing media

### Suitable extinguishing agents

Use fire fighting measures that suit the environment.

A solid water stream may be inefficient.

### Special hazards arising from the substance or mixture

No further relevant information available.

### Advice for firefighters

### Protective equipment

No special measures required.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Not required.

### Environmental precautions

Do not allow to enter sewers/ surface or ground water.

### Methods and material for containment and cleaning up

Ensure adequate ventilation.

### Protective Action Criteria for Chemicals

### PAC-1

Substance is not listed.

### PAC-2

Substance is not listed.

### PAC-3

Substance is not listed.

### 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.

## SECTION 7: Handling and storage

### Precautions for safe handling

No special precautions are necessary if used correctly.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid prolonged or repeated exposure.

Keep away from sources of ignition.

Take precautionary measures against static discharge.re.

### Information about protection against explosions and fires

No special measures required.

### Conditions for safe storage, including any incompatibilities

### Storage

Store in accordance with information listed on the product insert.

### Requirements to be met by storerooms and receptacles

No special requirements.

### 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.

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## SECTION 8: Exposure controls/personal protection

### Control parameters

### Components with limit values that require monitoring at the workplace

Not required.

### Additional information

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

### Exposure controls

### Appropriate engineering controls

No further data; see section 7.

### Personal protective equipment

### General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

### Breathing equipment

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

### Protection of hands

Protective gloves

The glove material has to 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

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.

### 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

## SECTION 9: Physical and chemical properties

**Information on basic physicochemical properties**

**Physical State**

Solid

**Color**

According to product specification

**Odor**

Characteristic

**Structural Formula**

C9H8ClN5 HCl

**Molecular Weight**

258.1 g/mol

**Storage Buffer**

**Odor Threshold**

Not determined.

**Formulation**

**Melting point/Melting range**

Undetermined.

**Boiling point/Boiling range**

Undetermined.

**Flammability**

Product is not flammable.

**Explosion limits**

Lower: Not determined.

Upper: Not determined.

**Flash point**

Not applicable.

**Decomposition temperature**

Not determined.

**pH**

Not applicable.

**Viscosity**

### Kinematic

Not applicable.

### SOLUBILITY

DMF: 30 mg/ml; DMSO: 30 mg/ml; Ethanol: 10 mg/ml

### Dynamic

Not applicable.

### Solubility in / Miscibility with

Soluble in DMSO

### Water

Not determined.

### Partition coefficient (n-octanol/water)

Not determined.

### Vapor Pressure

Not applicable.

### Density

Not determined.

### Relative Density

Not determined.

### Vapor Density

Not applicable.

### Particle characteristics

Not determined.

### Other information

### Appearance

### Form

Solid

### Important information on protection of health and environment, and on safety.

### Ignition temperature

Not determined.

### Danger of explosion

Product does not present an explosion hazard.

### Change in condition

### Evaporation Rate

Not applicable.

## SECTION 10: Stability and reactivity

### Reactivity

No further relevant information available.

### Chemical stability

### Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

### Possibility of hazardous reactions

No dangerous reactions known.

### Conditions to avoid

No further relevant information available.

### Incompatible materials

No further relevant information available.

### Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: Toxicological information

### Information on toxicological effects

### Acute toxicity

### Primary irritant effect

### on the skin

Irritant to skin and mucous membranes.

### on the eye

Irritating effect.

### 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)

Substance is not listed.

### NTP (National Toxicology Program)

Substance is not listed.

### OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

### Alternative sources for toxicological information

No non-standard sources for toxicological information where used.

## SECTION 12: Ecological information

### Toxicity

### Aquatic toxicity

No further relevant information available.

### Persistence and degradability

No further relevant information available.

### Bioaccumulative potential

No further relevant information available.

### Mobility in soil

No further relevant information available.

### Results of PBT and vPvB assessment

### PBT:

Not applicable.

### vPvB:

Not applicable.

### Other adverse effects

### Additional ecological information

### General notes

Water hazard class 1 (Self-assessment) slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### Waste treatment methods

### Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### Uncleaned packagings

### Recommendation

Disposal must be made according to official regulations.

## SECTION 14: Transport information

### UN-Number

DOT, IMDG, IATA not regulated

### UN proper shipping name

DOT, IMDG, IATA not regulated

### Transport hazard class(es)

DOT, ADN, IMDG, IATA

Class not regulated

### Packing group

DOT, IMDG, IATA not regulated

### Environmental hazards

Not applicable.

### Special precautions for user

Not applicable.

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

MARPOL73/78 and the IBC Code Not applicable.

### UN "Model Regulation"

not regulated

## SECTION 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): | Substance is not listed. |
| Section 313 (Specific toxic chemical listings): | Substance is not listed. |
| TSCA (Toxic Substances Control Act): | Substance is not listed. |
| Hazardous Air Pollutants: | Substance is not listed. |
| Chemicals known to cause cancer: | Substance is not listed. |
| Chemicals known to cause reproductive toxicity for females: | Substance is not listed. |
| Chemicals known to cause reproductive toxicity for males: | Substance is not listed. |
| Chemicals known to cause developmental toxicity: | Substance is not listed. |

### Carcinogenic categories

| | |
|---|---|
| EPA (Environmental Protection Agency): | Substance is not listed. |

### TLV (Threshold Limit Value)

Substance is not listed.

### NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

### Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin irritation 2: Skin corrosion/irritation – Category 2

Eye irritation 2A: Serious eye damage/eye irritation – Category 2A

Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3

**Disclaimer:**
The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.