



2-Chloro-6-(trichloromethyl)pyridine

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

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2-Chloro-6-(trichloromethyl)pyridine

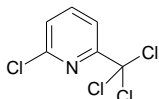
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Identification

PRODUCT NAME : 2-Chloro-6-(trichloromethyl)Pyridine
TRADE NAME : Nitrapyrin
CAS RN : 1929-82-4
EC# : 217-682-2
SYNONYMS : Nitrapyrin; Pyridine, 2-chloro-6-(trichloromethyl)-
OTHER LANGUAGES: De : 2-chlor-6-trichloromethylpyridine.
Es : 2-chloro-6-trichloromethylpyridine.
Fr : 2-cloro-6-trichloromethylpyridine
SYSTEMATIC NAME : 2-Chloro-6-(trichloromethyl)pyridine
MOLECULAR FORMULA : C₆H₃Cl₄
STRUCTURAL FORMULA:



1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

2-Chloro-6-(trichloromethyl)pyridine finds its application as a Nitrification Inhibitor for anhydrous Ammonia applied in different seasons as fertilizer in agriculture especially Picolinafen. Used as a fertilizer additive to improve nitrogen in soil.

Uses advised against: None

1.3. Details of the supplier of the safety data sheet

Jubilant Ingrevia Limited

FACTORY ADDRESS: Jubilant Ingrevia Limited,

Unit-2, Plot No. P1-L13 to L16 within jubilant sector, Specific SEZ for Chemicals at Plot No.-5, Vilayat GIDC, Tal.- Vagra, Dist.- Bharuch, Gujarat - 392012, India Tel.:+91-2641-281500, 281507, Fax.:+91-2641-281515

HEAD OFFICE: Jubilant Ingrevia Limited., Plot 1-A, Sector 16-A, Institutional Area, Noida, Uttar Pradesh, 201301 – India

T +91-120-4361000 - F +91-120-4234881 / 84 / 85 / 87 / 95 / 96 support@jubl.com - www.jubilantingrevia.com

1.4. Emergency telephone number

For Chemical Emergency ONLY (in the case of fire, leak, spill, exposure or accident) Call

Chemtrec: 1-800-424-9300 (US), 1-703-527-3887 (Outside U.S.)

Chemtrec (India) : 000-800-100-7141

For ALL other emergencies call Emergency Control Room Gajraula at 99970 22412

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008

- | | |
|--|------|
| • Acute toxicity Oral: Category 4 | H302 |
| • Skin Sensitization: Category 1 | H317 |
| • Hazardous to the Aquatic Environment: Category 1 (Acute) | H400 |
| • Hazardous to the Aquatic Environment: Category 1 (Chronic) | H410 |

2.2. Label Elements

According to regulation (EC) 1272/2008

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Hazard Pictogram: GHS 07, GHS 09

Signal Word: Warning!



HAZARD AND PRECAUTIONARY STATEMENTS:

HAZARD STATEMENTS

- H302: Harmful if swallowed.
- H317: May cause an allergic skin reaction.
- H410: Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- P280: Wear protective gloves/clothing/eye protection.
- P273: Avoid release to the environment.
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P270: Do not eat, drink or smoke when using this product.
- P264: Wash contaminated body parts thoroughly after handling.
- P303 + P352: IF ON SKIN (or hair): Wash with plenty of soap and water.
- P333 + P311: If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
- P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330: Rinse mouth.
- P391: Collect spillage
- P362 + P364: Take off contaminated clothing and wash it before reuse.
- P501: Dispose of contents and container to hazardous or special waste collection point.

2.3 Other Hazards

- Substance is not classified as PBT nor as vPvB. For further details see section 12.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance	CAS No.	EINECS No.	Index No.	Purity	CLP Classification - Regulation (EC) No 1272/2008
2-chloro-6-(trichloromethyl)pyridine	1929-82-4	217-682-2	006-057-00-8	> 98%	Acute toxicity Oral: Category 4, H302 Skin Sensitization: Category 1, H317 Hazardous to the Aquatic Environment (Acute): Category 1, H400 Hazardous to the Aquatic Environment (Chronic): Category 1, H410

SECTION 4: First aid measures

4.1. Description of first aid measures

FIRST AID:

- **Eyes:** If in eyes rinse cautiously with water for at least 15 minutes. Remove contact lenses if easy to do so. Continue rinsing. Seek medical attention.
- **Skin:** Immediately take off all contaminated clothing. Wash thoroughly with water for at least 15 minutes. Wash contaminated clothes before reuse. Seek immediate medical attention.
- **Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell.
- **Ingestion:** If swallowed call a poison center if you feel unwell. Rinse mouth. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive

4.2. Most important symptoms and effects, both acute and delayed



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Key symptoms

- **Acute effects:**

Eyes: Irritation, redness, pain, burns, loss of vision.

Skin: Irritation, pain, redness, burns. Behavioral somnolence observed in test animals.

Ingestion: Abdominal pain, burning sensation, diarrhea, shock or collapse, sore throat or vomiting. May include burning sensation, coughing, wheezing, and laryngitis, shortness of breath, headache, nausea and vomiting. Exposure can cause gastrointestinal disturbance.

Inhalation: Sore throat, cough, burning sensation, shortness of breath, labored breathing, headache, nausea and vomiting. Exposure can cause headache, dizziness, heaviness and weakness of the arms and legs. Continued exposure may progress to convulsions and death.

- **Chronic effects:**

Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5 : FIRE-FIGHTING MEASURES

5.1 Extinguishing media

5.1.1: *Suitable extinguishing media:* Dry chemical powder, water spray, and alcohol resistant foam. Water sprays can be effective in cooling down the fire-exposed containers and knocking down the vapors. Water jets may be used to flush spills away and dilute the same to non-flammable mixtures.

5.1.2: *Unsuitable extinguishing media for safety reasons:* carbon dioxide

5.2 Special hazards arising from the substance or mixture

- Hydrogen chloride, Carbon monoxide, Carbon dioxide, nitrogen oxides, organochloric compounds
The substances/groups of substances mentioned can be released in case of fire.

5.3 Advice for fire-fighters

- Special protective equipment:
- Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Use personal protective clothing.

Emergency procedures : Avoid contact with the skin, eyes and clothing. Avoid dust formation. Ventilate area.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep/shovel up.

Avoid raising dust. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Wear suitable protective equipment.

6.4 Reference to other sections:

Refer to protective measures listed in Sections 8 and 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Do not breathe vapor or mist.
- Wear protective gloves/clothing and eye/face protection.
- Wash thoroughly after handling.
- Ground and secure containers when dispensing or pouring product.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.
- Launder contaminated clothing before re-use.
- If on skin or hair, IMMEDIATELY remove all contaminated clothing and rinse/shower with plenty of water.



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- Use in a well-ventilated place/Use protective clothing commensurate with exposure levels.
- Use non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

- Store locked up.
- Store away from incompatible materials.
- Keep securely closed when not in use.

7.3 Specific end use(s)

- For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits Values

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
2-Chloro-6-(trichloromethyl)pyridine	TWA 10 mg/m ³ ; STEL 20 mg/m ³	Established.	Established

Exposure Limits (International):

ACGIH

- TLV-TWA 10 mg/m³;STEL 20 mg/m³
- DTLVS* The Threshold Limit Values (TLVs) and Biological Exposure
- Indices (BEIs) booklet issues by American Conference of Governmental Industrial Hygienists (ACGIH), Cincinnati, OH, 1996 Volume (issue)/page/year: TLV/BEI,2007

OSHA PEL

- OSHA PEL (Gen Indu):8H TWA 15 mg/m³, total dust CFRGBR Code of Federal Regulations. (U.S. Government Printing Office, Supt. Of Documents, Washington, DC 20402) Volume(issue)/page/year: 29,1910.1000,1994
- OSHA PEL (Gen Indu):8H TWA 5 mg/m³, respirable fraction CFRGBR Code of Federal Regulations. (U.S. Government Printing Office, Supt. Of Documents, Washington, DC 20402) Volume(issue)/page/year: 29,1910.1000, 1994
- OSHA PEL (Construc):8H TWA 15 mg/m³, total dust CFRGBR Code of Federal Regulations. (U.S. Government Printing Office, Supt. Of Documents, Washington, DC 20402) Volume(issue)/page/year: 29,1926.55,1994
- OSHA PEL (Construc):8H TWA 5 mg/m³, respirable fraction CFRGBR Code of Federal Regulations. (U.S. Government Printing Office, Supt. Of Documents, Washington, DC 20402) Volume(issue)/page/year: 29,1926.55,1994
- OSHA PEL (Shipyards):8H TWA 15 mg/m³, total dust CFRGBR Code of Federal Regulations. (U.S. Government Printing Office, Supt. Of Documents, Washington, DC 20402) Volume(issue)/page/year: 29,1915.1000,1993
- OSHA PEL (Shipyards):8H TWA 5 mg/m³, respirable fraction CFRGBR Code of Federal Regulations. (U.S. Government Printing Office, Supt. Of Documents, Washington, DC 20402) Volume(issue)/page/year: 29,1915.1000,1993

NIOSH Recommended Exposure Level (REL)

- NIOSH REL TO THE CHEMICAL, respirable fraction-air:10H TWA 5 mg/m³

Occupational Exposure Limits:

The known occupational exposure limits for this chemical are Listed Below:-

- OEL-BELGIUM: TWA 10 mg/m³, STEL 20 mg/m³, JAN1993
- OEL-FRANCE: VME 10 mg/m³, JAN1999
- OEL-KOREA: TWA 10 mg/m³, STEL 20 mg/m³, 2006
- OEL-MEXICO: TWA 10 mg/m³;STEL 20 mg/m³, 2004
- OEL-THE NETHERLANDS: MAC-TGG 10 mg/m³, 2003
- OEL-NEW ZEALAND: TWA 10 mg/m³, STEL 20 ppm, JAN2002
- OEL-SWITZERLAND: MAK-W 10 mg/m³, DEC2006
- OEL IN ARGENTINA, BULGARIA, COLOMBIA, JORDAN check ACGIH TLV;
- OEL IN SINGAPORE, VIETNAM check ACGIH TLV.

8.2 Exposure controls

8.2.1 Appropriate Engineering Controls:

- Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. Local ventilation is usually preferred. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2.2 Personal Protective equipment:

- Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
- **Hands:** Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.



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- **Eyes:** Safety goggles/ Chemical Safety glasses and Face shield. (e.g. EN 166)
- **Clothing:** Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).
- **Respirator:** Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2).
- For emergency situations, wear a positive pressure, pressure-demand, full face piece self-contained breathing apparatus (SCBA) or pressure-demand supplied air respirator with escape SCBA and a fully-encapsulating, chemical resistant suit. (EPA,1998).

General safety and hygiene measures

- Handle in accordance with good industrial hygiene and safety practice.
- Wearing of closed work clothing is recommended.
- Store work clothing separately.
- Keep away from food, drink and animal feeding stuffs.

8.2.3 Environmental exposure controls: Prevent product from entering drains. Do not allow material to contaminate ground water system

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Sr.No.	Parameter	Typical value/Test method/Remarks
1	Physical state	Solid, Colorless to white crystals.
2	Color	Colorless to white
3	Odor, Odor Threshold	Pungent odour
4	Melting point/freezing point	62-65 °C
5	Boiling point or initial boiling point and boiling range	271°C@ 760.00mm Hg
6	Flammability	Not highly flammable
7	Lower and upper explosion limit	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use
8	Flash point	Not applicable, the product is a solid
9	Auto-ignition temperature	> 440 °C (> 824.00 °F)
10	Decomposition temperature	No decomposition if stored and handled as prescribed/indicated.
11	pH	not applicable, of low solubility
12	Kinematic viscosity	not applicable, the product is a solid
13	Solubility in water in other solvents	approx. 0,04 g/l (approx. 20 °C) in water No information available
14	Partition coefficient n-octanol/water (log value)	3.41 (measured)
15	Vapor pressure	0.0028 mm Hg (approx. 23 °C)
16	Density and/or relative density	approx. 1,43 g/cm ³ (approx. 20 °C)
17	Relative vapour density	The product is a non-volatile solid.
18	Particle characteristics	No data available

9.2 Other Information

9.2.1. Information with regard to physical hazard classes

- No additional information available

9.2.2. Other safety characteristics

- Self heating ability: Not tested on account of the low melting-point.
- pKA: not applicable



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- Adsorption/water - soil: KOC: 972; log KOC: 2,99 (calculated)
- Surface tension: Based on chemical structure, surface activity is not to be expected.
- Grain size distribution: No data available.
- Molar mass: 230,91 g/mol

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** No hazardous reactions if stored and handled as prescribed/indicated.
Corrosion to metals: Corrosive effects to metal are not anticipated. In the presence of water or moisture metal corrosion cannot be excluded.
Formation of flammable gases: Forms no flammable gases in the presence of water.
- 10.2 Chemical Stability:** Stable under normal temperature and pressure.
- 10.3 Possibility of Hazardous reactions:**
Hazardous Polymerization: No information available.
Hazardous Reactions: None under normal processing.
- 10.4 Conditions to avoid:** Keep away from heat, sparks, flame, light, high temperature, incompatible chemicals..
- 10.5 Incompatible chemicals:** Strong acids, strong bases, strong oxidizing agents
- 10.6 Hazardous decomposition Products:** Thermal decomposition may produce Hydrogen chloride, nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, & nitrogen and irritating and toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Product Information

RTECS # US7525000

a) Acute toxicity

- **LD50/LC50:**

Type of Test: LD50 – Lethal dose, 50 percent kill

Route of Exposure: Oral

Species Observed: Rodent -rat

Dose Data: 940 mg/kg

Toxic Effects: Details of toxic effects not reported other than lethal dose value

Reference: PCOC** Pesticide Chemicals Official Compendium, Association of the American Pesticide Control Officials, Inc., 1966. (Topeka, KS) Volume (issue) /page/year: -,819,1966

Type of Test: LD50 – Lethal dose, 50 percent kill

Route of Exposure: Oral

Species Observed: Rodent -mouse

Dose Data: 710 mg/kg

Toxic Effects: Details of toxic effects not reported other than lethal dose value

Reference: GUHAZ Guide to the Chemicals Used in Crop Protection. (Information Canada, 171 Slater St., Ottawa, Ont., Canada) Volume (issue)/page/year: 6,122,1973

Type of test : LD50 - Lethal dose, 50 percent kill

Route of exposure : Oral

Species observed : Rodent - rabbit

Dose/duration : 713 mg/kg

Toxic effects : Details of toxic effects not reported other than lethal dose value

Reference : FAATDF Fundamental and Applied Toxicology. (Academic Press, Inc., 1 E. First St., Duluth, MN 55802) V.1-1981-Volume (issue)/page/year: 11,464,1988



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LC50 rat (by inhalation): > 0,03 mg/l

Highest concentration technically achievable.

b) Skin corrosion/irritation

- Not irritating to the skin

c) Serious eye damage/irritation

- Not irritating to the eyes

d) Respiratory or skin sensitization

- Assessment of sensitization:
Sensitization after skin contact possible.
- Experimental/calculated data:
guinea pig: skin sensitizing

e) Germ cell Mutagenicity

- Most of the results from the available studies show no evidence of a mutagenic effect. No mutagenic effect was found in various tests with mammalian cell culture and mammals.

f) Carcinogenicity

- Not listed by NTP, IARC and OSHA.
- Not present on the EU CMR list.
- **ACGIH TLV-Not classifiable as human carcinogen**

DTLVS* The Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs) booklet issues by American Conference of Governmental Industrial Hygienists (ACGIH), Cincinnati, OH, 1996 Volume(issue)/page/year: TLV/BEI,2007

g) Reproductive toxicity

- Type of Test: TDLo -Lowest published toxic dose
- Route of Exposure: Oral
- Species Observed: Rodent -rabbit
- Dose Data: 390 mg/kg
- Sex/**Duration**: Female 6-18 days after conception
- Toxic Effects: Reproductive –Specific Developmental Abnormalities- craniofacial (including nose and tongue)
- The results of animal studies gave no indication of a fertility impairing effect.
- Reference: FAATDF Fundamental and Applied Toxicology. (Academic Press, Inc., 1 E. First St.,Duluth, MN 55802) V.1-40, 1981-97. For publisher information, see TOSCF2 Volume (issue)/page/year: 11,464,1988.

h) STOT-single exposure

- The available information is not sufficient for the evaluation of specific target organ toxicity.

i) STOT- repeated exposure

- Based on available Data, the classification criteria are not met.

j) Aspiration Hazards

- Not applicable

Other relevant toxicity information

Misuse can be harmful to health.

11.2. Information on other hazards

11.2.1. Endocrine Disrupting Properties:

Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.



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11.2.2 Other information:

No additional information available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Assessment of aquatic toxicity: Very toxic to aquatic life with long lasting effects.

Test Type: LC50 Fish

- Species: Lepomis macrochirus (Bluegill)
- Time: 96 h
- Value: 3.4 mg/l

Test Type: LC50 Aquatic invertebrates

- Species: aquatic mollusc (other, Flow through.)
- Time: 96 h
- Value: 0.41 mg/l,

Test Type: LC50 Aquatic invertebrates

- Species: Daphnia magna (other, Flow through.)
- Time: 48 h
- Value: 2.2 mg/l

The chemical is considered to be Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

- It is expected to be not readily biodegradable (by OECD criteria).
- The product has not been tested. The statement has been derived from the structure of the product.
- According to structural properties, hydrolysis is not expected/probable.

12.3 Bio accumulative potential

- BCF = 84
- Log Kow = 3.41

Based on the Log Kow and Bioconcentration factor value it is expected to have negligible potential to concentrate in fatty tissue of fish and aquatic organisms relative to its surroundings.

12.4 Mobility in soil

- Log Koc = 2.5 (estimated). Low sorption.
- Henry's Law Constant $2.03 \times 10^{-05} \text{ atm/m}^3 \text{ mole}$ at 25 degrees. Moderately volatile from aqueous bodies.
- Log Kow = 3.35 (estimated). Low potential to bioaccumulate.

Assessment transport between environmental compartments:

- Volatility: The substance will slowly evaporate into the atmosphere from the water surface.
- Adsorption in soil: Adsorption to solid soil phase is possible.

12.5 Results of PBT and vPvB assessment

- This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
- This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Endocrine disrupting properties:

- This product does not contain any known or suspected endocrine disruptors

12.7 Other Adverse effects

- Persistent Organic Pollutant : This product does not contain any known or suspected substance
- Ozone Depletion Potential : This product does not contain any known or suspected substance. The substance is not listed in the Montreal Protocol on substances that deplete the ozone layer.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Information regarding the disposal of the product: Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

13.1.2. Information regarding the disposal of the packaging: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product. Dispose of this container to hazardous or special waste collection point.

European Waste Catalogue (EWC): According to the European Waste Catalog, Waste Codes are not product specific, but application specific.



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13.1.3. **Physical/chemical properties that may affect waste treatment options shall be specified:** Not available

13.1.4. **Sewage disposal:** Avoid release to the environment. Do not flush to sewer. Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains. Do not let this chemical enter the environment.

13.1.5. **Special precautions for any recommended waste treatment:** Not available

SECTION 14: Transport information

- This substance is considered to be Hazardous for transport by Air/Rail/Road and Sea and thus regulated by IATA/ICAO/US DOT /IMO/IMDG.

Type of Transport	Agency	14.1 UN Number/ ID Number	14.2 Proper Shipping name	14.3 Transport hazard class(es)	14.4 Packing Group
Land Transport	US DOT	UN 3077	Environmental Hazardous substance, Solid, n.o.s { 2-chloro-6-(trichloromethyl)pyridine}	9	III
Maritime Transport	IMDG	UN 3077	ENVIRONMENTAL HAZARDOUS SUBSTANCE, SOLID N.O.S { 2-chloro-6-(trichloromethyl)pyridine}	9	III
Air Transport	IATA	UN 3077	Environmental Hazardous substance.Solid, n.o.s { 2-chloro-6-(trichloromethyl)pyridine}	9	III
Hazard Label		Environmental Hazard			

14.5 Environmental hazards:

- Marine pollutant :** Yes
- Dangerous for the environment:** Product is a marine pollutant according to the criteria set by IMDG/IMO

14.6. **Special precautions for user:** No special precautions required

14.7. **Maritime transport in bulk according to IMO instruments:** Not applicable, packaged goods

SECTION 15: REGULATORY INFORMATION

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

European Union Information

Classification as per CLP Regulation 1272/2008:

- Hazards Class and Category:** Acute toxicity Oral: Category 4, Skin Sensitization: Category 1, Hazardous to the Aquatic Environment (Acute): Category 1, Hazardous to the Aquatic Environment (Chronic): Category 1
- Hazard Statements:** H302; H317; H400; H410.

Germany:

WGK CLASSIFICATION:

Component	Germany - Water Classification (VwVwS)	Germany - TA-Luft Class
Nitrapyrin	WGK2	

US information

- EPA IRIS database:** Present
- SARA LISTED:** Yes
- DEMINIMIS:** 1 %
- OSHA HAZARD COMMUNICATION STANDARD:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
- NOTES:** This product is subject to SARA section 313 reporting requirements.
- Calif. Prop. 65 carcinogen & developmental hazard.:** Readily absorbed through skin
- TSCA**



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CAS# 1929-82-4 is listed on the TSCA inventory.

Canada - DSL/NDSL

- DSL - The substance is specified on the public Portion of the Domestic Substances List (refer to section 2.1.1 of the Guidelines1).

15.2. Chemical safety assessment:

- A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted.

SECTION 16: OTHER INFORMATION

a) Compilation information of safety data sheet

Date of compilation : May 31, 2012
Chemical : 2-Chloro-6-(trichloromethyl)pyridine
CAS # : 1929-82-4
File Name : 0121Bh Clp05 Div.5 sds 2-chloro-6-(trichloromethyl)pyridine(Nitrapyrin)
Revision Number : 05
Date of revision : April 02, 2024
Revision Due Date : March, 2027
Supersedes date : 0121Bh Clp04 Div.5 sds 2-chloro-6-(trichloromethyl)pyridine(Nitrapyrin)

b) A key or legend to aberrations and acronyms used in the safety data sheet

- PBT = Persistent Bioaccumulative and Toxic.
- vPvB= Very Persistent and Very Bioaccumulative.
- SCBA= Self Contained Breathing Apparatus.
- NIOSH REL= National Institute for Occupational Safety and Health Recommended Exposure Limit. OSHA PEL=Occupational Safety and Health Administration Permissible Exposure Limit.
- OELTWA= Occupational Exposure Limit Time Weighted Averages.
- IDLH= Immediately Dangerous to Life or Health.
- UEL= Upper Explosive Limit.
- LEL= Lower Explosive Limit.
- RTECS= Registry of Toxic Effects of Chemical Substances.
- NTP=National Toxicology Programm.
- IARC= International Agency for Research on Cancer.
- EPA=Environmental Protection Agency.
- TSCA= Toxic Substances Control Act.
- CERCLA= Comprehensive Environmental Response, Compensation, and Liability Act.
- SARA= Superfund Amendments and Reauthorization Act.
- NFPA= National Fire Protection Association.
- WHIMS= Workplace Hazardous Materials Information System.
- DSL/NDSL= Domestic/Non-Domestic Substances List.
- CSR=Chemical Safety Report.
- BCF = Bio Concentration Factor.
- DNEL = Derived No Effect Level.
- PNEC = Predicted No Effect Concentration.
- TLV = Threshold Limit Value.
- ACGIH = American Conference of Governmental Industrial Hygienists.
- REACH = Registration, Evaluation .Authorisation and Restriction of Chemicals.
- CLP = Classification, Labelling and Packaging.
- LD / LC = Lethal Doses / Lethal Concentration.
- GHS = Globally Harmonised System.
- IMDG-Code = International Maritime Code for Dangerous Goods.
- EmS = Emergency measures on Sea.
- ICAO = International Civil Aviation Organization.
- IATA/DGR= International Air Transport Association/Dangerous Goods Regulation.

c) Key Literature reference and sources for data

Biographical reference and data sources

- Globally Harmonized System of Classification and Labelling of Chemicals.
- CLP REG (regulation) (EC) no. 1272/2008, last modification by regulation (EC) no. 790/2009
- REG (EC) no. 1907/2006, last modification by REG (EC) Nr. 2020/878

d) Key Literature reference and sources for data



2-Chloro-6-(trichloromethyl)pyridine

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

Hazards Statements	
	<ul style="list-style-type: none">• H302: Harmful if swallowed.• H317: May cause an allergic skin reaction.• H400: Very toxic to aquatic life• H410: Very toxic to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

(End of Safety Data Sheet)
