

SAFETY DATA SHEET
COLDIP NI-Z CLEAR 250
469990

SECTION 1: COMPANY AND MIXTURE IDENTIFICATION

1.1 Product Name: COLDIP NI-Z CLEAR 250

1.2 Product Type and Use: Metal Finishing Additive

1.3 Manufacturer:

Columbia Chemical Corp.
1000 Western Drive
Brunswick, OH, 44212
330-225-3200
eh&s@columbiachemical.com

Only Representative:

Intertek France
Zi Ecoparc II
27400 Heudebouville
France
T: +33 (0) 385 99 1280

1.4 Emergency Telephone Numbers

CHEMTEL
US & CANADA 800-255-3924
INTERNATIONAL 01-813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture according to GHS (EC 1272 -2008)

Acute Tox. 4 (Oral), H302
Skin Corr. 1A, H314
Resp. Sens. 1, H334
STOT SE 3, H335
Muta. 2, H341
Carc. 1B, H350
Repr. 1B, H360
Aquatic Chronic 2, H411

2.2 GHS Pictograms and H/P Statements



Signal Word: **DANGER**

Hazard and Precautionary Statements:

H302: Harmful if swallowed
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341: Suspected of causing genetic defects
H360 1B: May damage fertility or the unborn child.
P201: Obtain special instructions before use.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P285: In case of inadequate ventilation wear respiratory protection.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.

H314A: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation

H350 1B: May cause cancer.
H411: Toxic to aquatic life with long lasting effects.

P260: Do not breathe dust, fume, gas, mist, vapours, spray.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P308+P313: IF exposed or concerned: Get medical advice/attention.

P501: Dispose of contents/container in accordance with all local/regional/national/international regulations.

2.3 Additional Information:

NONE

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Name | Product Identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------|--|-------|--|
| CHROMIUM HYDROXIDE SULPHATE | CAS no. 12336-95-7 EC no. 235-595-8 Reach no. Low volume exemption JCSL no. 1-287 | < 15% | Skin Corr. 1C; H314 Eye Dam 1; H318 STOT SE 3; H335 |
| COBALT SULPHATE | CAS no. 10124-43-3 EC no. 233-334-2 Reach no. 01-2119517426-41 JCSL no. 1 - 270 | < 15% | Carc. 1B, H350 Muta. 2, H341 Repr. 1B, H360 Acute Tox. 4, H302 Resp. Sens. 1, H334 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| AMMONIUM BIFLOURIDE | CAS no. 1341-49-7 EC no. 215-676-4 Reach no. 05-2118253908-30 JCSL no. 1 - 311 | < 2% | Acute Tox. 3, H301 Skin Corr. 1B, H314 |

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

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|--------------|---|
| Eye Contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Inhalation: | Move exposed individual to fresh air. Give oxygen if breathing is difficult. Provide artificial respiration using a mask equipped with a one-way valve if victim is not breathing. Call emergency medical services. |
| Ingestion: | Provide large quantities of water if victim is conscious and call emergency medical services immediately. Never give anything by mouth to an unconscious person. |

4.2 Important symptoms and effect**acute and delayed**

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|--------------------|--|
| Symptoms/Injuries: | May cause severe burns. Symptoms might include pain, redness, and tissue damage. |
| Inhalation: | Inhalation of mist may cause irritation of the respiratory system. |
| Skin contact: | May cause severe burns. Symptoms might include pain, redness, and tissue damage. |
| Eye contact: | Causes serious eye damage. |
| Ingestion: | May cause severe irritation of the digestive tract, nausea, vomiting, or diarrhea. |

4.3 Indication of any immediate medical attention and special treatment needed

Seek immediate medical attention if splashed in eyes or if there is a difficulty in breathing while using this product.

SECTION 5: FIRE FIGHTING MEASURES**5.1 Extinguishing media**

Dry chemical powder. Water spray. Carbon dioxide (CO2)

5.2 Special Hazards from the mixture

Mixture itself does not burn but may decompose upon heating to produce fumes. Cool plastic drum, pail or tote containers which may swell or rupture upon heating.

5.3 Advice for firefighters

| | |
|-------------------------------|---|
| Protection from firefighting: | Use self-contained breathing apparatus and chemically protective clothing. For further information refer to section 8, Exposure-controls/personal protection. |
| Other Information: | Avoid eye and skin contact. HMIS: 3-0-1-J |

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 Non-emergency personnel**

Ensure adequate ventilation, Use personal protective equipment.

6.1.2 Emergency responders

Ensure adequate ventilation, Use personal protective equipment.

6.2 Environmental precautions

Avoid discharge into soil, water or air.

6.3 Containment and clean up

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| Methods for cleaning up: | Contain spills, cover with absorbent, carefully sweep up material and transfer to a suitable container for disposal. |
| Other information: | Comply with local regulations for disposal. |

6.4 Reference to other sections

Refer to section 8.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid contact with skin, eye and clothing. Avoid breathing dust, mist or spray. Refer to section 8 for exposure controls.

7.2 Storage and Incompatibles

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| Storage Condition(s): | Shelf Life is two (2) years from date of manufacture. |
|-----------------------|---|

Incompatible materials:

Store tightly closed in a dry, cool and well-ventilated place.

Product may react with strong acidic and strong basic solutions.

Storage area:

Floors should be impenetrable, resistant to liquids and easy to clean. Keep away from heat and direct sunlight. Do not store near oxidizing agents. Store in dry, cool, well-ventilated area.

7.3 Specific end use(s)

Metal Finishing

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control Parameters

| | | |
|--|-------------|------------------|
| AMMONIUM BIFLOURIDE (1341-49-7) USA | ACGIH - TEL | 2.5 mg/m3 as F |
| CHROMIUM HYDROXIDE SULPHATE (12336-95-7) USA | ACGIH - TEL | 0.5 mg/m3 as Cr |
| COBALT SULPHATE (10124-43-3) USA | ACGIH - TEL | 0.02 mg/m3 as Co |

8.2 Exposure Controls

Exposure Controls:

Maintain employee exposures to levels below the applicable exposure limits.

Ventilation:

Use local or general exhaust to reduce airborne exposures.

Respiratory Protection:

Respiratory protection should not be required under normal use with proper engineering controls. A respiratory program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed if workplace conditions warrant use of a respirator.

Hand Protection:

Wear chemical resistant gloves when handling any chemical product.

Eye Protection:

Wear chemical safety glasses and/or face shield when handling chemical products.

Skin Protection:

Wear protective clothing as appropriate.

Other:

Launder contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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|---------------------------------------|-------------------|-----------------------------------|-------------------|
| Appearance: | Dark Green Liquid | Flammability (solid,gas): | No data available |
| Odour: | Slight odor | Explosive Limits: | No data available |
| Odour Threshold: | No data available | Vapor Pressure: | No data available |
| pH: | 2.0 - 3.0 | Vapour Density: | No data available |
| Melting Point: | No data available | Relative Density: | 1.250 - 1.400 |
| Solidification Point: | No data available | Solubility: | Complete in water |
| Boiling Point: | No data available | Self Ignition Temperature: | No data available |
| Flash point: | No data available | Decomposition Temperature: | No data available |
| Evap rate rel to butylacetate: | No data available | Viscosity: | No data available |

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Product is an acidic solution and may react vigorously with alkaline solutions.

10.2 Chemical Stability

Product may not be stable under heat, moisture, pressure, or exposure to incompatible materials.

10.3 Possibility of hazardous reactions

Product will not undergo polymerization.

10.4 Conditions to avoid

Keep away from heat. Keep out of direct sunlight.

10.5 Incompatible materials

Product may react with strong acidic and strong basic solutions.

10.6 Hazardous decomposition products

Oxides of nitrogen, chromium and sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological effects

Acute toxicity:

No known acute toxicity effects when used as directed.

Skin corrosion/irritation:

Causes serious eye damage and skin irritation.

Respiratory or skin sensitization:

No known skin sensitization affects when used as directed.

Embryotoxic, Teratogenic, or Mutagenic:

May damage fertility or the unborn child.

Carcinogenicity:

Products that contain cobalt salts may cause cancer based on testing data. Risk of cancer depends on level of exposure.

Reproductive or Gonadotoxicity:

Product has components that may damage fertility or the unborn child.

Specific target organ toxicity (single exposure):

No known Specific Target Organ Toxicity when used as directed.

CARCINOGENS :

IARC : YES
NTP : YES

OSHA : YES
EU : YES

SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|--|
| 12.1 Toxicity | Material is harmful to aquatic life with long lasting effects. |
| 12.2 Persistence & Degradability | No persistence and biodegradability data available. |
| 12.3 Bioaccumulative Potential | No known bioaccumulative potential. |
| 12.4 Mobility in Soil | Spillage of material can lead to penetration into soil and groundwaters. |
| 12.5 PBT and vPvB Assessment | This product does NOT contain substances which are persistent , bioaccumulative and toxic, or substances that are very persistent or very bioaccumulative per REACH Annex XIII . |
| 12.6 Other Adverse Effects | No other adverse affects known. |

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

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|-----------------------------------|--|
| Waste Disposal: | Dispose of this material and its container to hazardous or special waste collection point. Disposal must be done according to official regulations . Do not empty into drain or the aquatic environment. |
| Ecology - waste materials: | Dispose of all waste in accordance with federal, state, and local regulations. |

SECTION 14: TRANSPORTATION INFORMATION**U.S. DOT (Land)****Department of Transportation**

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|-----------------------|--|
| Proper Shipping Name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (AMMONIUM BIFLUORIDE AND TRIVALENT CHROMIUM COMPOUNDS) |
| Hazard Class: | 8 |
| UN / NA Number: | 3264 |
| Packing Group: | II |
| Labels Required: | CLASS 8 CORROSIVE |
| Marine Pollutant: | NO |

I.A.T.A / I.C.A.O. (AIR)**International Air Transportation Authority / International Civil Air Organization**

| | |
|-----------------------|--|
| Proper Shipping Name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (AMMONIUM BIFLUORIDE AND TRIVALENT CHROMIUM COMPOUNDS) |
| Hazard Class: | 8 |
| UN / NA Number: | 3264 |
| Packing Group: | II |
| Labels Required: | CLASS 8 CORROSIVE |
| Marine Pollutant: | NO |

I.M.D.G. (Sea)**International Maritime Organization**

| | |
|-----------------------|--|
| Proper Shipping Name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (AMMONIUM BIFLUORIDE AND TRIVALENT CHROMIUM COMPOUNDS) |
| Hazard Class: | 8 |
| UN / NA Number: | 3264 |
| Packing Group: | II |
| Labels Required: | CLASS 8 CORROSIVE |
| Marine Pollutant: | MARINE POLLUTANT |

| | |
|----------------------|-------------|
| ERG Info: | 154 |
| Reportable Quantity: | NONE |
| Placard: | AS REQUIRED |

14.5 Environmental Hazards

This mixture is not considered environmentally hazardous according to the UN Model Regulations and is not considered a marine pollutant according to the IMDG Code.

14.6 Special Precautions

No other special precautions are required for transport of this mixture.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations.**

| INGREDIENT | CAS NUMBER | CERCLA | SARA 313 | SARA 302 | REACH SVHC List | ROHS 2 |
|---------------------|------------|--------|----------|----------|--------------------|--------|
| AMMONIUM BIFLUORIDE | 1341-49-7 | X | X | | | |
| COBALT SULFATE | 10124-43-3 | | X | | X | |

NATIONAL INVENTORIES:

| | | | |
|-------------------|-------------------|-----------------------|---------------------------|
| AICS (Australia): | Components listed | ECN (Taiwan): | Not all components listed |
| DSL (Canada): | Components listed | NDSL (Canada): | Not all components listed |
| ECL (Korea): | Components listed | NZIoC (New Zealand): | Components listed |
| EINECS (Europe): | Components listed | PICCS (Philippines): | Components listed |
| ENCS (Japan): | Components listed | SWISS (Switzerland): | Status not determined |
| IECSC (China): | Components listed | TSCA (USA): | Components listed |

WHMIS: Components listed as CANADA WHMIS Class D1B - Toxic material causing immediate and serious toxic effects.

Components listed as CANADA WHMIS Class E - Corrosive Materials.

15.2 Chemical Safety Assessment A Chemical Safety Assessment has not been carried out for this mixture by the supplier.

SECTION 16 : OTHER INFORMATION**16.1 Method of Evaluation**

Mixture hazard classification per UN GHS Purple Book, (EC) 1272/2008 Article 9(4), OSHA Haz-Com 2012.

16.3 Other Information

This information is provided in good faith from current, reliable sources and is believed to be correct. No warranty is expressed, implied, or given. The seller of this material assumes no responsibility for any damages resulting from contact with this material

16.4 Revision History

1/3/20: New Release