

## SAFETY DATA SHEET

# **COLLOY A-Z-N COMPLEXER 320**

437320

## SECTION 1: COMPANY AND MIXTURE IDENTIFICATION

1.1 Product Name: COLLOY A-Z-N COMPLEXER 320

1.2 Product Type and Use: Metal Finishing Additivies

1.3 Manufacturer:

Columbia Chemical Corp.

1000 Western Drive Brunswick, OH, 44212 330-225-3200

eh&s@columbiachemical.com

1.4 Emergency Telephone Numbers CHEMTEL

US & CANADA 800-255-3924 INTERNATIONAL 01-813-248-0585 Only Representative:

Intertek France Zi Ecoparc II 27400 Heudebouville France

T: +33 (0) 385 99 1280

## SECTION 2: HAZARDS IDENTIFICATION

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

Eye Dam. 1, H318 Acute Tox. 2 (Inhale), H330 STOT SE 3, H335

## **Hazard and Precautionary Statements:**

H318: Causes serious eye damage H335: May cause respiratory irritation

P260: Do not breathe dust, fume, gas, mist, vapours, spray.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P501: Dispose of contents/container in accordance with all

local/regional/national/international regulations.

## 2.3 Additional Information:

NONE

#### 2.2 GHS Pictograms and H/P Statements





H330: Fatal if inhaled

P270: Do no eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

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

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363: Wash contaminated clothing before reuse.

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#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
	CAS no. 111-40-0 EC no. 203-865-4 Reach no. Low Volume Exempt JCSL no. 2-159	< 20%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Skin Sens. 1, H317

#### **SECTION 4: FIRST AID MEASURES**

4.1 Description of first aid measures

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 symptons and effect

acute and delayed

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: 3-0-2-D

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment

Methods for cleaning up:

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

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

7.2 Storage and Incompatibles

Storage Condition(s):

7.3 Specific end use(s)

exposure controls.

Shelf life is two (2) years from date of manufacture.

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

Incompatible materials: 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.

Metal Finishing

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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#### 8.1 Control Parameters

2, 2'-DIAMINODIETHYLAMINE (111-40-0)

USA ACGIH - TEL 4.0 mg/m3

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 phyiscal and chemical properties

Clear, nearly colorless liquid Flammability (solid,gas): No data available Appearance: Strong amine odor **Explosive Limits:** No data available Odour: No data available Vapor Pressure: No data available Odour Threshhold: 114-129 Vapour Density: No data available pH: **Melting Point:** No data available Relative Density: 1.034 - 1.054 Solidification Point: No data available Solubility: Complete in water No data available No data available **Boiling Point:** Self Ignition Temperature: No data available No data available Flash point: **Decomposition Temperature:** No data available No data available Evap rate rel to butylacetate: Viscosity:

#### 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 No known skin sensitization affects when used as directed.

sensitization:

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

Specific target organ

No known Specific Target Organ Toxicity when used as directed. toxicity (sinlge exposure):

CARCINOGENS:

NONE IARC: OSHA: NONE NTP: NONE EU: NONE

#### **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.

No known bioaccumalative potential 12.3 Bioaccumulative Potential

Spillage of material can lead to penetration into soil and groundwaters. 12.4 Mobility in Soil

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. COLLOY A-Z-N COMPLEXER 320 Page 4 of 5

## **SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods

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

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS

DIETHYLENETRIAMINE)

 Hazard Class:
 8

 UN / NA Number:
 3267

 Packing Group:
 II

Labels Required: Class 8 Corrosive

Marine Pollutant:

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

Air Organization

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS

DIETHYLENETRIAMINE)

 Hazard Class:
 8

 UN / NA Number:
 3267

 Packing Group:
 II

Labels Required: Class 8 Corrosive

Marine Pollutant: NONE

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

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (CONTAINS

DIETHYLENETRIAMINE)

 Hazard Class:
 8

 UN / NA Number:
 3267

 Packing Group:
 II

Labels Required: CLASS 8 CORROSIVE

Marine Pollutant: NONE

ERG Info: 153
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

# ${\bf 15.1\ Safety,\ Health\ and\ Environmental\ Regulations.}$

REACH INGREDIENT CAS NUMBER CERCLA SARA 313 SARA 302 SVHC List ROHS 2

## **NATIONAL INVENTORIES:**

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

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WHMIS:

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

7/19/18: GHS Format