

**SAFETY DATA SHEET**  
**NICOL BN BRIGHTENER 10**  
**401340**

**SECTION 1: COMPANY AND MIXTURE IDENTIFICATION**

**1.1 Product Name:** NICOL BN BRIGHTENER 10

**1.2 Product Type and Use:** Metal Finishing Additives

**1.3 Manufacturer:**

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

**Only Representative:**

Intertek France  
Campus Industrial Grand  
Chalon Route de Demigny  
Chalon Sur Saone  
France, 71102  
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)**

Skin Irrit. 2, H315  
Skin Sens. 1, H317  
Eye Irrit. 2, H319  
STOT RE 2, H373

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



Signal Word: **WARNING**

**Hazard and Precautionary Statements:**

H315: Causes skin irritation

H319: Causes serious eye irritation

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

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

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

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

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.

H317: May cause an allergic skin reaction

H373: May causes damage to organs through prolonged or repeated exposure.

P264: Wash thoroughly 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. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

**2.3 Additional Information:**

None

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

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
BUT-2-YNE-1,4-DIOL	CAS no. 110-65-6 EC no. 203-788-6 Reach no. Low Volume Exempt JCSL no. 2-268	< 3 %	Acute Tox. 3 (Oral); H301 Acute Tox. 3 (Dermal); H311 Skin Corr. 1B; H314 Skin Sens. 1; H317 Acute Tox. 3 (inhale); H331 STOT RE 2; H373
2-(PROP-2-YNLOXY)ETHANOL	CAS no. 3973-18-0 EC no. 223-601-1 Reach no. Low volume exemption JCSL no. 2-2444	< 2%	Eye Irrit. 2, H319 Acute Tox. 4 (Inhale), H332

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

Eye Contact:	Rinse under running water for several minutes.
Skin Contact:	Flush exposed area with running water for a few minutes.
Inhalation:	Move exposed individual to fresh air.
Ingestion:	Provide two glasses of water if victim is conscious and get medical attention. Never give anything by mouth to an unconscious person.

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

Symptoms/Injuries:	May cause serious eye or skin irritation.
Symptoms/injuries after inhalation:	In case of inhalation remove to fresh air. If symptoms persist get medical attention.
Symptoms/injuries after skin contact:	May cause skin irritation to some individuals. Symptoms might include redness or irritation.
Symptoms/injuries after eye contact:	May cause serious eye irritation.
Symptoms/Injuries after ingestion:	Possible irritation to mouth, throat and esophagus.

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

No immediate medical attention or special treatment should be required while using this product as specified.

**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.  
Use personal protective equipment as described in section (8) of the MSDS.

**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: 1-0-0-C

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

Ensure adequate ventilation, Use personal protective equipment.

**6.1.2 For 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**

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 Conditions for safe storage, including any incompatibilities**

Storage Condition(s):

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

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

Incompatible materials:

No specific materials to avoid when used under normal conditions.

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

<b>2-(PROP-2-YNYLOXY)ETHANOL (3973-18-0)</b> USA	ACGIH - TEL	1 PPM
<b>BUT-2-YNE-1,4-DIOL (110-65-6)</b> USA	ACGIH - TEL	N/A

## 8.2 Exposure Controls

<b>Exposure Controls:</b>	Maintain employee exposures to levels below the applicable exposure limits.
<b>Ventilation:</b>	Use local or general exhaust to reduce airborne exposures.
<b>Respiratory Protection:</b>	To reduce exposure a NIOSH-approved respirator should be used.
<b>Hand Protection:</b>	Wear chemical resistant rubber gloves.
<b>Eye Protection:</b>	Wear chemical safety glasses and/or face shield.
<b>Skin Protection:</b>	Wear protective clothing as appropriate.
<b>Other:</b>	Laundry contaminated clothing before reuse.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Slight Yellow Solution	<b>Flammability (solid,gas):</b>	No data available
<b>Odour:</b>	Slight	<b>Explosive Limits:</b>	No data available
<b>Odour Threshold:</b>	No data available	<b>Vapor Pressure:</b>	No data available
<b>pH:</b>	2.0 - 4.0	<b>Vapour Density:</b>	No data available
<b>Melting Point:</b>	No data available	<b>Relative Density:</b>	1.011 - 1.051
<b>Solidification Point:</b>	No data available	<b>Solubility:</b>	Complete in Water
<b>Boiling Point:</b>	No data available	<b>Self Ignition Temperature:</b>	No data available
<b>Flash point:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Relat evapor rate comp to butylacetate:</b>	No data available	<b>Viscosity:</b>	No data available

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Product is stable at normal conditions.
<b>10.2 Chemical Stability</b>	Product is stable under normal conditions only. Product may not be stable under heat, moisture, pressure ventilation or exposure to incompatible or reactive materials.
<b>10.3 Possibility of hazardous reactions</b>	Product will not undergo polymerization.
<b>10.4 Conditions to avoid</b>	Keep away from heat. Keep out of direct sunlight.
<b>10.5 Incompatible materials</b>	Product may react with strong acidic and strong basic solutions.
<b>10.6 Hazardous decomposition products</b>	Product contains some organic materials which may decompose into oxides of carbon.

## SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1 Toxicological effects

<b>Acute toxicity:</b>	No known acute toxicity effects when used as directed.
<b>Skin corrosion/irritation:</b>	May cause some skin irritation.
<b>Respiratory or skin sensitization:</b>	May cause an allergic skin reaction.
<b>Embryotoxic, Teratogenic, or Mutagenic:</b>	Product contains no components (at 0.1% or greater) identified as causing Embryotoxic, Teratogenic, or Mutagenic effects.
<b>Carcinogenicity:</b>	Product contains no components (at 0.1% or greater) listed by IARC, NTP, EU and OSHA as a carcinogen or suspect carcinogen.
<b>Reproductive or Gonadotoxicity:</b>	Product contains no components (at 0.1% or greater) listed as causing Reproductive or Gonadotoxic effects.
<b>Specific Target Organ Toxicity (STOT):</b>	May damage organs (Liver, Kidney or Spleen) with repeat use.

## CARCINOGENS :

<b>IARC :</b>	NONE	<b>OSHA :</b>	NONE
<b>NTP :</b>	NONE	<b>EU :</b>	NONE

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Material should not harm aquatic life, but avoid all releases to the aquatic environment.
<b>12.2 Persistence &amp; Degradability</b>	No persistence and biodegradability data available.
<b>12.3 Bioaccumulative Potential</b>	No known bioaccumulative potential.
<b>12.4 Mobility in Soil</b>	No known mobility in soils.
<b>12.5 PBT and vPvB Assessment</b>	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.
<b>12.6 Other Adverse Effects</b>	No other adverse effects known.

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

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

**SECTION 14: TRANSPORTATION INFORMATION**

<b>U.S. DOT (LAND)</b>	Not regulated by DOT
<b>I.A.T.A / I.C.A.O (AIR)</b>	Not regulated by IATA
<b>I.M.D.G (SEA)</b>	Not regulated by IMDG

ERG Info:	Not Required.
Reportable Quantity:	None
Placard:	Not 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.**

**Classification according to Directive 1999/548/EC**  
Xi; R36/38

**DPD Pictograms**

**Risk and Safety Phrases:**  
R36, S25, S36/37, S45

INGREDIENT	CAS NUMBER	CERCLA	SARA 313	SARA 302	REACH SVHC List	ROHS 2
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**NATIONAL INVENTORIES:**

AICS (Australia):	Components listed	ECN (Taiwan):	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: No components listed as Canada 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**

6/11/15: New Release.