

**SAFETY DATA SHEET**  
**EXTREME BRIGHTENER 211**  
411680

**SECTION 1: COMPANY AND MIXTURE IDENTIFICATION**

**1.1 Product Name:** EXTREME BRIGHTENER 211

**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  
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  
Eye Irrit. 2, H319

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



Signal Word: **WARNING**

**Hazard and Precautionary Statements:**

H315: Causes skin irritation

P264: Wash thoroughly after handling.

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

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

P362: Take off contaminated clothing and wash before reuse.

H319: Causes serious eye irritation

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.

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]
ORGANIC SOLVENT	CAS no. T.S. EC no. 203-905-0 Reach no. Low volume exemption.	< 8%	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
AROMATIC ALDEHYDE	CAS no. T.S. EC no. 201-956-3 Reach no. Low volume exemption. JCSL no. 3-1162	< 8%	Skin Corr. 1B, H314
AMINES, TERT ALKYL, ETHOXYLATED SULFATES SODIUM SALTS	CAS no. 72379-24-9 EC no. None Reach no. Low volume exemption JCSL no. 7-77	< 8%	Eye Irrit. 2, H319
ALIPHATIC AMINE	CAS no. T.S. EC no. 205-483-3 Reach no. Low volume exemption JCSL no. 2-301	< 5%	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Corr. 1B, H314
SODIUM BENZOIC ACID	CAS no. 532-32-1 EC no. 208-534-8 Reach no. Low volume exemption. JCSL no. 3-1293, 3-1272, 3-1076	< 2%	Eye Irrit. 2, H319

## 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.

## 5.3 Advice for firefighters

Protection from firefighting:	Use personal protective equipment as described in section (8) of the MSDS.
Other Information:	Use self-contained breathing apparatus and chemically protective clothing. For further information refer to section 8, Exposure-controls/personal protection. Avoid eye and skin contact. HMIS: 1-0-0-D

## 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.
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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.  
Metal Finishing

### 7.3 Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control Parameters

<b>ALIPHATIC AMINE (T.S.)</b> USA	ACGIH - TEL	8 mg/m3
<b>AMINES, TERT ALKYL, ETHOXYLATED SULFATES SODIUM SALTS (72379-24-9)</b> USA	ACGIH - TEL	N/A
<b>AROMATIC ALDEHYDE (T.S.)</b> USA	ACGIH - TEL	N/A
<b>ORGANIC SOLVENT (T.S.)</b> USA	ACGIH - TEL	24 mg/m3
<b>SODIUM BENZOIC ACID (532-32-1)</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>	Launder contaminated clothing before reuse.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Clear yellow liquid	<b>Flammability (solid,gas):</b>	No data available
<b>Odour:</b>	Slight odor	<b>Explosive Limits:</b>	No data available
<b>Odour Threshold:</b>	No data available	<b>Vapor Pressure:</b>	No data available
<b>pH:</b>	9.5 - 12.0	<b>Vapour Density:</b>	No data available
<b>Melting Point:</b>	No data available	<b>Relative Density:</b>	1.025 - 1.045
<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>	No known respiratory or skin sensitization affects when used as directed.
<b>Embryotoxic, Teratogenic, or Mutagenic:</b>	None.
<b>Carcinogenicity:</b>	Product contains no components listed by IARC, NTP, EU and OSHA as a carcinogen or suspect carcinogen.
<b>Reproductive or Gonadotoxicity:</b>	None.
<b>Specific target organ toxicity (single exposure):</b>	None.

**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 affects 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
<b>ERG Info:</b>	Not Required.
<b>Reportable Quantity:</b>	None
<b>Placard:</b>	Not Required.

<b>14.5 Environmental Hazards</b>	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.
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<b>14.6 Special Precautions</b>	No other special precautions are required for transport of this mixture.
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**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: Xi; R36/38, S26, S41.

**NATIONAL INVENTORIES:**

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

WHMIS: Components listed as CANADA WHMIS Class E/B3 - Corrosive Material/ Combustible Material.

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**

6/7/15: Rev. GHS format.  
3/1/08: Rev. Address.