



# SAFETY DATA SHEET

Blue Gold Industrial Cleaner

Revision Date 3/1/2026

## SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Blue Gold Industrial Cleaner **Item** 109  
**Product Use** Hard Surface Cleaner / Degreaser (360-MC)  
**Company Name** Modern Chemical, Inc. **Office** (501) 988-1311  
P.O. Box 368 **Fax** (501) 988-2229  
Jacksonville AR 72078 **Web** [www.bluegoldcleaners.com](http://www.bluegoldcleaners.com)  
**EMERGENCY TELEPHONE NUMBER** **INFOTRAC** (800) 535-5053

## SECTION - 2 HAZARDS INFORMATION

**Pictogram**  Irritant (skin) Eye Damage  
Respiratory Tract Irritant

**Signal Word** Danger

### **Hazards** Health, Physical and Environmental Hazard Statements

Causes skin irritation

### Hazard Classification

### Code

Category 2 Skin

H315

Causes serious eye damage

Category 1 Eyes

H318

Harmful to aquatic life

Category 3 Acute Toxicity

H402

Harmful if Swallowed

KEEP OUT OF REACH OF CHILDREN

### Handling and Storage

### Code

**Precautions** Avoid breathing dust/fume/gas/mist/vapours/spray

P261

Do not get in eyes, on skin, or on clothing

P262

Wash thoroughly after handling

P264

Avoid release to the environment

P273

Use personal protective equipment as required (See Section 8)

P281 S8

Store in a closed container

P404

## SECTION - 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
2-(2-Butoxyethoxy)ethanol	Diethylene Glycol Monobutyl Ether	112-34-5		7 - 10%
Sodium Metasilicate Pentahydrate	Disodium Trioxosilicate	10213-79-3		4 - 9%
Nonylphenol Ethoxylate	Nonylphenyl-polyethylene glycol	9016-45-9		1 - 5%

## SECTION - 4 FIRST AID MEASURES

**EYE CONTACT** Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists obtain immediate medical attention, preferably from an ophthalmologist

**SKIN CONTACT** Wash contaminated skin with plenty of soap and water, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention

**INHALATION** Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention

**INGESTION** DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out and give one to two glasses of water to dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

**Aspiration Hazard** Not considered to be an aspiration hazard

### ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

**Eyes** Causes serious eye irritation, redness, tearing, pain, or possible corneal injury

**Skin** Can cause skin irritation, redness, drying or cracking

**Inhalation** Spray mist may cause mild irritation, to respiratory tract

**Ingestion** May be harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus

### CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

**Eyes** Causes serious eye irritation, redness, tearing, pain, burns, or possible eye damage

**Skin** Causes skin irritation, redness, burning, drying or cracking

**Inhalation** Spray mist may cause irritation, to nose, throat, mucus membranes or respiratory tract

**Ingestion** May be harmful if swallowed, Causes irritation, burning in the mouth, throat, and esophagus, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

**SECTION – 5 FIRE FIGHTING MEASURES**

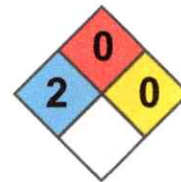
<b>Extinguishing Media</b>	Not flammable: Use extinguishing media for surrounding fire
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes
<b>Reactive With</b>	Incompatible with, strong oxidizing agents, strong acids
<b>Explosion Hazards</b>	Not applicable
<b>Static Discharge</b>	Not applicable
<b>Mechanical Impact</b>	Not applicable
<b>Protective Equipment</b>	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

**FLAMMABLE LIQUIDS HAZARD CLASSIFICATION**

**Criteria** Flash point > 93.3°C (200°F)  
**NFPA Class** III B  
**GHS** Not applicable  
**WHMIS** Not applicable

**NFPA HAZARD RATINGS**

**Health** 2  
**Flammability** 0  
**Reactivity** 0  
**Special Hazards** FBG



**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Warn personnel of spill
<b>Personal Precautions</b>	Ventilate area, Avoid slipping on spilled product
<b>Protective Equipment</b>	Safety Glasses, Chemical Gloves and Rubber Boots
<b>Containment</b>	Use absorbent socks or pads to prevent spill from spreading
<b>Clean Up Procedures</b>	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water, Large Spills: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container Vacuum or sweep up material and place in a disposal container
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	Keep away from incompatible materials, Use appropriate safety equipment, Avoid eye and skin contact, Avoid inhalation of mist, May be harmful if swallowed, Wash thoroughly after handling, Avoid release to the environment
<b>Storage</b>	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials
<b>Incompatible Materials</b>	Incompatible with, strong oxidizing agents, strong acids

**SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
2-(2-Butoxyethoxy)ethanol	10 ppm				
Sodium Metasilicate Pentahydrate	None Established				ED,SI,RT
Nonylphenol Ethoxylate	None Established				ED

**PERSONAL PROTECTIVE EQUIPMENT**



Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Eye Wash and Safety Shower (Recommended)

**Ventilation**



General Ventilation  
 Ventilate to keep vapors of this material below the lowest ppm listed above.  
 If over Threshold Limit Value use a MSHA / NIOSH approved respirator

**HMIS HAZARD RATINGS**

<b>Health</b>	2
<b>Flammability</b>	0
<b>Reactivity</b>	0
<b>Personal Protection</b>	B

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Flash Point</b>	>212°F (100°C) TAG Closed Cup	<b>Specific Gravity / Density</b>	1.08
<b>Flammable Limits</b>	ND	<b>pH (± 0.3)</b>	13.0
<b>Auto-Ignition Temp.</b>	ND	<b>Viscosity</b>	ND
<b>Physical State</b>	Liquid	<b>Freeze Point</b>	ND
<b>Appearance</b>	Clear Blue	<b>Boiling Point</b>	ND
<b>Odor</b>	Peppermint	<b>Vapor Density (air=1)</b>	ND
<b>Odor Threshold</b>	ND	<b>Vapor Pressure (mm Hg)</b>	ND
<b>Solubility</b>	100%	<b>Evaporation Rate (nBuAc=1)</b>	ND
<b>Volatiles</b>	ND	<b>Partition Coefficient</b>	ND
<b>VOC</b>	0.5% at 5% dilution / 5 mg/L VOC in 5% dilution	<b>Molecular Weight (g/mol)</b>	~ 82.44
<b>LVP-VOC</b>	ND	<b>Decomposition Temperature</b>	ND

**SECTION – 10 STABILITY AND REACTIVITY**

<b>Reactivity (Specific Test Data)</b>	None available
<b>Chemical Stability</b>	Stable when stored below 49°C (120°F)
<b>Hazardous Polymerization</b>	Will not occur
<b>Conditions To Avoid</b>	Incompatible materials
<b>Incompatible Materials</b>	Incompatible with, strong oxidizing agents, strong acids
<b>Thermal Decomposition</b>	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, sodium oxides, silicon oxides, and other toxic fumes

**SECTION – 11 TOXICOLOGICAL INFORMATION****ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Inhalation (Yes "Mist"), Ingestion (Yes)

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

<b>Eyes</b>	Causes serious eye irritation, redness, tearing, pain, or possible corneal injury
<b>Skin</b>	Can cause skin irritation, redness, drying or cracking
<b>Inhalation</b>	Spray mist may cause mild irritation, to respiratory tract
<b>Ingestion</b>	May be harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

<b>Eyes</b>	Causes serious eye irritation, redness, tearing, pain, burns, or possible eye damage
<b>Skin</b>	Causes skin irritation, redness, burning, drying or cracking
<b>Inhalation</b>	Spray mist may cause irritation, to nose, throat, mucus membranes or respiratory tract
<b>Ingestion</b>	May be harmful if swallowed, Causes irritation, burning in the mouth, throat, and esophagus, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

<b>Acute Tox Calculated</b>	<b>Oral:</b> 9,247 mg/kg	<b>Dermal:</b> 16,755 mg/kg	<b>Inhaled:</b> 57.5 mg/L
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<b>Acute Tox Category</b>	Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist		
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**Additional Info**

<b>Target Organs</b>	Kidneys, Liver
<b>Medical Conditions</b>	Preexisting, liver, kidney, disorders may be aggravated by exposure to this product
<b>Notes to Physician</b>	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

**CARCINOGENIC – This product contains concentrations above 0.1% of the following:**

<b>CHEMICAL NAME</b>	<b>NTP</b>	<b>ACGIH</b>	<b>IARC</b>	<b>GHS Category</b>
None Listed	NA	NA	NA	NA

**MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:**

<b>CHEMICAL NAME</b>	<b>Germ Cell Mutagenicity</b>	<b>Toxic to Reproduction</b>
None Listed	NA	NA

**COMPONENTS ACUTE TOXICITY**

<b>CHEMICAL NAME</b>	<b>Type</b>	<b>Form</b>	<b>Subject</b>	<b>Result Value</b>	<b>Exposure Time</b>	<b>GHS Category</b>
Nonylphenol Ethoxylate	LD50	Oral	Rat	960 mg/kg	4 Hours (Mist)	4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	1.15 mg/L		4 (>1.0, ≤5 mg/L)
	LD50	Dermal	Rabbit	2,991 mg/kg		(>2000 mg/kg)
Sodium Metasilicate Pentahydrate	LD50	Oral	Rat	847 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Rat	Dermal	> 5000 mg/kg		(>2000 mg/kg)
Glycol Ether DB	LD50	Oral	Rat	7,291 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	2,764 mg/kg		(>2000 mg/kg)

**SECTION – 12 ECOLOGICAL INFORMATION**

CHEMICAL NAME	Type	Subject Subject Latin	Result Value	Exposure Time	GHS Category
Nonylphenol Ethoxylate	LC50	Bluegill (Lepomis macrochirus)	1.0 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	EC50	Water Flea (Daphnia magna)	12.2 mg/L	48 Hours	3 (>10, ≤100 mg/L)
Sodium Metasilicate Pentahydrate	LC50	Zebrafish (Brachydanio rerio)	210 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water Flea (Daphnia magna)	1700 mg/L	48 Hours	4 (>100 mg/L)
2-(2-Butoxyethoxy)ethanol	LC50	Fish (Leuciscus Idus)	1,300 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water Flea (Daphnia magna)	>100 mg/L	48 Hours	4 (>100 mg/L)
<b>Persistence And Degradability</b>	This product is inherently biodegradable according to the OECD definition				
<b>Bioaccumulative Potential</b>	No data available				
<b>Mobility In Soil</b>	This product is water soluble and will move readily in soil and water				
<b>Other Adverse Effects</b>	Harmful to aquatic organisms due to pH shift				

**SECTION – 13 DISPOSAL CONSIDERATIONS**

**DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER**

**Dispose of any waste in accordance with all State and Federal Guidelines and Regulations**

**ENVIRONMENTAL FATE**

This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its composition containing in some or all of its components

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

**SECTION – 14 TRANSPORT INFORMATION**

**DOT CLASSIFICATION**

UN Number	Proper Shipping Name	n.o.s. ( Chemicals ) or "Limits"					
Not Regulated	Non Hazardous – Compounds Cleaning Liquid						
Hazard Class	Packing Group	Label Codes	Reportable Quantity (lbs)	Response	Marine Pollutant	Hazard Label	Secondary
None	None	None	None	154	No		
<b>Additional Info:</b>							

**SECTION – 15 REGULATORY INFORMATION**

<b>TSCA</b>													
CHEMICAL NAME	Sec 8(b) Inventory			Sec 8(d) Health And Safety			Sec 4(a) Chemical Test Rules			Sec 12(b) Export Notification			
Glycol Ethers	Yes												
Sodium Metasilicate Pentahydrate	Yes												
<b>REPORTABLE QUANTITIES</b>													
CHEMICAL NAME	Extremely Hazardous			Reportable Quantity			Emission Reporting						
	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313			RCRA Code			RMP TQ Sec 112			
Glycol Ethers							Yes						
<b>SARA</b>													
CHEMICAL NAME	Section 311			Section 311 / 312 Hazards									
	Hazardous Chemical	Acute	Chronic	Flammable			Pressure			Reactive			
2-(2-Butoxyethoxy)ethanol	Yes	Yes	Yes										
Nonylphenol Ethoxylate	Yes	Yes											
Sodium Metasilicate Pentahydrate	Yes	Yes											
<b>RIGHT TO KNOW</b>													
CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
2-(2-Butoxyethoxy)ethanol							Yes	Yes					
Nonylphenol Ethoxylate						Yes		Yes					
Sodium Metasilicate Pentahydrate						Yes		Yes					
<b>CALIFORNIA</b>													
<b>WARNING! This product contains chemicals known to the state of California to cause:</b>													
CHEMICAL NAME	CAS #	Birth Defects			Reproductive Harm			Carcinogen			Developmental		
None Listed													
<b>CLEAN AIR WATER ACTS</b>													
CHEMICAL NAME	CAS #	Clean Air Acts				Clean Water Acts							
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP						
None Listed													
<b>INTERNATIONAL REGULATIONS</b> – The components of this product are listed on the chemical inventories of the following countries:													
CHEMICAL NAME	Australia	Canada	Europe (EINECS)			Japan	Korea	UK					
Glycol Ethers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
<b>WHMIS Classification</b>													
CHEMICAL NAME	DSL	Class	Description										
2-(2-Butoxyethoxy)ethanol	Yes	D-2B	Materials Causing Other Toxic Effects; Toxic Material										

## SECTION - 16 OTHER INFORMATION

<b>SDS</b>	<b>LEGEND DESCRIPTION</b>		
~	Approximately	*	Additional Information
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>LC50</b>	A concentration that is lethal to 50% of a given species in a given time
<b>CAS</b>	Chemical Abstracts Service Registry	<b>LD50</b>	Dose that is lethal to 50% of a given species by a given route of exposure
<b>CEIL</b>	Ceiling Limit (15 minutes)	<b>LEL</b>	Lower Explosive Limit
<b>CERCL</b>	Comprehensive Environmental Response, Compensation, and Liability Act	<b>LD</b>	Liver Damage
<b>CI</b>	Cochlear Impairment	<b>NA</b>	Not Applicable
<b>CNS</b>	Central Nervous System	<b>ND</b>	Not Determined
<b>EC50</b>	Concentration of a chemical that gives half-maximal response	<b>NE</b>	Not Established
<b>EPA</b>	Environmental Protection Agency	<b>NFPA</b>	National Fire Protection Association
<b>Eye</b>	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>FBG</b>	Full Bunker Gear	<b>NTP</b>	National Toxicology Program
<b>GHS</b>	Globally Harmonized System	<b>OSHA</b>	Occupational Safety and Health Administration
<b>HAP</b>	California Hazardous Air Pollutant Clean Air Act	<b>PEL</b>	Permissible Exposure Limit (OSHA)
<b>HMIS-A</b>	Safety glasses	<b>PNS</b>	Peripheral Nervous System
<b>HMIS-B</b>	Safety glasses, gloves	<b>PP</b>	California Priority Pollutant under the Clean Water Act
<b>HMIS-C</b>	Safety glasses, gloves, chemical apron	<b>REL</b>	Recommended exposure limit (NIOSH)
<b>HMIS-D</b>	Face shield, gloves, chemical apron	<b>RT</b>	Upper Respiratory Tract
<b>HMIS-E</b>	Safety glasses, gloves, dust respirator	<b>Skin</b>	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
<b>HMIS-F</b>	Safety glasses, gloves, chemical apron, dust respirator	<b>SARA</b>	Superfund Amendments and Reauthorization Act
<b>HMIS-G</b>	Safety glasses, gloves, vapor respirator	<b>STEL</b>	Short Term Exposure Limit (15 minutes)
<b>HMIS-H</b>	Splash goggles, gloves, chemical apron, vapor respirator	<b>TC Lo</b>	Lowest concentration that is toxic to a given species in a given time
<b>HMIS-I</b>	Safety glasses, gloves, dust and vapor respirator	<b>TD Lo</b>	Lowest dose that is toxic to a given species
<b>HMIS-J</b>	Splash goggles, gloves, chemical apron, dust and vapor respirator	<b>TLV</b>	Threshold Limit Value (ACGIH)
<b>HMIS-K</b>	Air line hood or mask, gloves, full chemical suit, boots	<b>TP</b>	California Toxic Pollutant under the Clean Water Act
<b>HMIS-X</b>	Ask Supervisor	<b>TSCA</b>	Toxic Substances Control Act
<b>HS</b>	California Hazardous Substance under the Clean Water Act	<b>TWA</b>	Time Weighted Average (8 hours)
<b>KD</b>	Kidney Damage (nephropathy)	<b>UEL</b>	Upper Explosive Limit

Modern Chemical, Inc.

has compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

Supersedes Safety Data Sheet Dated 3/1/2025