



SAFETY DATA SHEET

Blue Gold Spray Wash

Revision Date 9/25/2018

SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Blue Gold Spray Wash	PRODUCT USE	Hard Surface Cleaner / Degreaser	ITEM 102 (361-MC)
COMPANY NAME	Modern Chemical, Inc.	Office	(501) 988-1311	
	P.O. Box 368	Fax	(501) 988-2229	
	Jacksonville AR 72078	Web	www.bluegoldcleaner.com	
EMERGENCY TELEPHONE NUMBER		INFOTRAC	(800) 535-5053	

SECTION - 2 HAZARDS INFORMATION



Irritant (skin)
Respiratory Tract Irritant



Eye Damage

DANGER! Causes serious eye damage, Causes skin irritation, Harmful if swallowed, May cause respiratory irritation, Do not get in eyes, on skin, or clothing, and avoid inhalation of, spray mist, Use personal protective equipment as required, Wash thoroughly after handling, Avoid release into the environment. Keep out of reach of children.
EYES-Category 1, SKIN-Category 2, STOT SINGLE EXPOSURE-Category 3

SECTION - 3 COMPOSITION INFORMATION (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	REACH REGISTRATION NUMBER	PERCENT
2-(2-Butoxyethoxy)ethanol	Diethylene Glycol Monobutyl Ether	112-34-5	01-2119475104-44-xxxx	7 - 10%
Sodium Metasilicate Pentahydrate	Disodium Trioxosilicate	10213-79-3	01-2119449811-37-0004	4 - 9%

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	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	Harmful if swallowed, Causes irritation, burning in the mouth, throat, and esophagus, Slight acute toxicity if swallowed

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Hazardous Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes
Reactive With	Incompatible with, strong oxidizing agents, strong acids
Explosion Hazards	Not applicable
Static Discharge	Not applicable
Mechanical Impact	Not applicable
Protective Equipment	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
Personal Protection	FBG

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill
Personal Precautions	Ventilate area, Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Chemical Gloves and Rubber Boots
Containment	Use absorbent socks or pads to prevent spill from spreading
Clean Up Procedures	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
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Keep away from incompatible materials, Use appropriate safety equipment, Avoid eye and skin contact, Avoid inhalation of mist, May cause respiratory irritation, Harmful if swallowed, Wash thoroughly after handling, Avoid release to the environment
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials
Incompatible Materials	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				Mist
Sodium Metasilicate Pentahydrate				2 mg/m3	

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 NIOSH approved respirator.

HMIS HAZARD RATINGS

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	>212°F (100°C) TAG Closed Cup	Specific Gravity / Relative Density	1.08
Flammable Limits	ND	Molecular Weight	ND
Auto-Ignition Temp.	ND	Initial Boiling Point	ND
Physical State	Liquid	Boiling Range	ND
Appearance	Clear Blue	Vapor Pressure	ND
Odor	Bland	Vapor Density	ND
Odor Threshold	ND	Freeze Point	ND
Solubility	100%	Melting Point	ND
Volatiles	ND	Partition Coefficient	ND
VOC	0.5% at 5% dilution / 5 gm/L VOC in 5% dilution	Decomposition Temperature	ND
pH	13.0	Evaporation Rate	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored below 49°C (120°F)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids
Thermal Decomposition	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)

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Acute Tox Calculated Oral: 16,983 mg/kg Dermal: 19,703 mg/kg Inhaled: mg/L

Acute Tox Category "Not applicable (Oral > 2,000 mg/kg)", "Not applicable (Dermal > 2,000 mg/kg)", "No data available (Inhaled) Vapors"

Additional Info

Target Organs	Kidneys, Liver
Medical Conditions	Preexisting, liver, kidney, disorders may be aggravated by exposure to this product
Notes to Physician	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:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
None Listed				

MUTAGENIC AND TERATOGENIC EFFECTS – May cause fetal and reproductive abnormalities.

CHEMICAL NAME	Mutagenic	Teratogenic	Developmental	GHS Category
None Listed				

SECTION - 11 TOXICOLOGICAL INFORMATION - CONTINUED

<u>ACUTE TOXICITY</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Sodium Metasilicate Pentahydrate	LD50	Oral	Rat	847 mg/kg		4 (>300, ≤2000 mg/kg)
Glycol Ether DB	LD50	Oral	Rat	7291 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	2764 mg/kg		(>2000 mg/kg)

SECTION - 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
2-(2-Butoxyethoxy)ethanol	LC50	Fish	(Leuciscus Idus)	1300 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water-Flea	(Daphnia magna)	>100 mg/L	48 Hours	4 (>100 mg/L)
Presistence And Degradability	This product is inherently biodegradable according to the OECD definition					
Bioaccumulative Potential	No data available					
Mobility In Soil	This product is water soluble and will move readily in soil and water					
Other Adverse Effects	May be harmful to aquatic organisms due to pH shift					

SECTION - 13 DISPOSAL CONSIDERATIONS

Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, State and Local Regulations.

SECTION - 14 TRANSPORT INFORMATION**D.O.T. CLASSIFICATION**

<u>UN Number</u>	<u>Proper Shipping Name</u>		<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
Not Regulated	Non Hazardous – Compounds Cleaning Liquid		None	None	None	None	154	No		
Additional Info: Not restricted as per IATA.										

SECTION – 15 REGULATORY INFORMATION**TSCA**

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Sodium Metasilicate Pentahydrate	Yes			
Glycol Ethers	Yes			

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous		Reportable Quantity	Emission Reporting	RCRA Code	RMP TQ Sec 112r
	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313		
Glycol Ethers				Yes		

SARA

CHEMICAL NAME	Section 311			Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive	
Sodium Metasilicate Pentahydrate	Yes	Yes					
2-(2-Butoxyethoxy)ethanol	Yes	Yes	Yes				

RIGHT TO KNOW

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Sodium Metasilicate Pentahydrate						Yes		Yes					
2-(2-Butoxyethoxy)ethanol							Yes	Yes					

CALIFORNIA

CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
		Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
None Listed							

INTERNATIONAL REGULATIONS – 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

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
2-(2-Butoxyethoxy)ethanol	Yes	D-2B	Materials Causing Other Toxic Effects; Toxic Material
Sodium Metasilicate Pentahydrate	Yes	E	Corrosive Material

DSCL (EEC)

Code	Definition (R-Phrases / S-Phrases)
R22	Harmful if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R41	Risk of serious damage to eyes
S2	Keep out of the reach of children
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S61	Avoid release to the environment
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible
S24/25	Avoid contact with skin and eyes
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

SECTION – 16 OTHER INFORMATION

SDS	Legend Description		
ACGIH	American Conference of Governmental Industrial Hygienists	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CAS	Chemical Abstracts Service Registry	LEL	Lower Explosive Limit
CEIL	Ceiling Limit (15 minutes)	NA	Not Applicable
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	ND	Not Determined
EPA	Environmental Protection Agency	NE	Not Established
FBG	Full Bunker Gear	NFPA	National Fire Protection Association
HAP	California Hazardous air pollutant Clean Air Act	NIOSH	National Institute for Occupational Safety and Health
HMIS-A	Safety Glasses	NTP	National Toxicology Program
HMIS-B	Safety glasses, gloves	OSHA	Occupational Safety and Health Administration
HMIS-C	Safety glasses, gloves, chemical apron	PEL	Permissible Exposure Limit (OSHA)
HMIS-D	Face shield, gloves, chemical apron	PP	California Priority Pollutant under the Clean Water Act
HMIS-E	Safety glasses, gloves, dust respirator	REL	Recommended exposure limit (NIOSH)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Air concentration that is lethal to 50% of a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
IARC	International Agency for Research on Cancer	UEL	Upper Explosive Limit
LC50	Air concentration that is lethal to 50% of a given species in a given time	WHMIS	Worker Hazardous Materials Information System (Canada)

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