

# SAFETY DATA SHEET


Blue Gold Industrial Cleaner

Revision Date 2/15/2024

## 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

Causes serious eye damage

Harmful to aquatic life

Harmful if Swallowed

KEEP OUT OF REACH OF CHILDREN

Handling and Storage

**Precautions** Avoid breathing dust/fume/gas/mist/vapours/spray  
Do not get in eyes, on skin, or on clothing  
Wash thoroughly after handling  
Avoid release to the environment  
Use personal protective equipment as required (See Section 8)  
Store in a closed container

Hazard Classification

Category 2 Skin

Category 1 Eyes

Category 3 Acute Toxicity

Code

H315

H318

H402

Code

P261

P262

P264

P273

P281 S8

P404

## 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 #      | IMPURITIES | PERCENT |
|----------------------------------|-----------------------------------|------------|------------|---------|
| 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 &gt; 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,<br>Large Spills: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container<br>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 ShieldImpervious  
Chemical GlovesEye 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**

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

**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 |

Acute Tox Calculated      Oral: 9,247 mg/kg      Dermal: 16,755 mg/kg      Inhaled: 57.5 mg/L

Acute Tox Category    Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist

**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:**

| <u>CHEMICAL NAME</u> | <u>NTP</u> | <u>ACGIH</u> | <u>IARC</u> | <u>GHS Category</u> |
|----------------------|------------|--------------|-------------|---------------------|
| None Listed          | NA         | NA           | NA          | NA                  |

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

| <u>CHEMICAL NAME</u> | <u>Germ Cell Mutagenicity</u> | <u>Toxic to Reproduction</u> |
|----------------------|-------------------------------|------------------------------|
| None Listed          | NA                            | NA                           |

**COMPONENTS ACUTE TOXICITY**

| <u>CHEMICAL NAME</u>             | <u>Type</u> | <u>Form</u> | <u>Subject</u> | <u>Result Value</u> | <u>Exposure Time</u> | <u>GHS Category</u>   |
|----------------------------------|-------------|-------------|----------------|---------------------|----------------------|-----------------------|
| 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**

| <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> |
|--------------------------------------|---|--------------------------------|----------------------|---------------------|----------------------|---------------------|
| 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>Presistence 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**

| <u>UN Number</u>        | <u>Proper Shipping Name</u> n.o.s. ( Chemicals ) or "Limits" |                    |                                  |                 |                         |                     |                  |
|-------------------------|--|--------------------|----------------------------------|-----------------|-------------------------|---------------------|------------------|
| Not Regulated           | Non Hazardous – Compounds Cleaning Liquid                    |                    |                                  |                 |                         |                     |                  |
| <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> |
| None                    | None   | None               | None                             | 154             | No                      |                     |                  |
| <b>Additional Info:</b> |  |                    |                                  |                 |                         |                     |                  |

**SECTION – 15 REGULATORY INFORMATION****TSCA**

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

**REPORTABLE QUANTITIES**

| CHEMICAL NAME | EPCRA TPQ Sec 302 | EPCRA RQ Sec 304 | CERCLA RQ Sec 103 | TRI Sec 313 | RCRA Code | RMP TQ Sec 112 |
|---------------|-------------------|------------------|-------------------|-------------|-----------|----------------|
| Glycol Ethers |                   |                  |                   | Yes         |           |                |

**SARA**

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

**RIGHT TO KNOW**

| <u>CHEMICAL NAME</u>             | <u>STATE</u> |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                  | <u>CA</u>    | <u>CT</u> | <u>FL</u> | <u>IL</u> | <u>LA</u> | <u>NJ</u> | <u>NY</u> | <u>PA</u> | <u>MI</u> | <u>MN</u> | <u>MA</u> | <u>RI</u> | <u>WI</u> |
| 2-(2-Butoxyethoxy)ethanol        |              |           |           |           |           |           | Yes       | Yes       |           |           |           |           |           |
| Nonylphenol Ethoxylate           |              |           |           |           |           | Yes       |           | Yes       |           |           |           |           |           |
| Sodium Metasilicate Pentahydrate |              |           |           |           |           | Yes       |           | Yes       |           |           |           |           |           |

**CALIFORNIA**

| <b>WARNING! This product contains chemicals known to the state of California to cause:</b> |              |                      |                          |                   |                      |
|--|--------------|----------------------|--------------------------|-------------------|----------------------|
| <u>CHEMICAL NAME</u>   | <u>CAS #</u> | <u>Birth Defects</u> | <u>Reproductive Harm</u> | <u>Carcinogen</u> | <u>Developmental</u> |
| None Listed  |              |                      |                          |                   |                      |

**CLEAN AIR WATER ACTS**

| CHEMICAL NAME | CAS # | 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:

| <u>CHEMICAL NAME</u> | <u>Australia</u> | <u>Canada</u> | <u>Europe (EINECS)</u> | <u>Japan</u> | <u>Korea</u> | <u>UK</u> |
|----------------------|------------------|---------------|------------------------|--------------|--------------|-----------|
| Glycol Ethers        | Yes              | Yes           | Yes                    | Yes          | Yes          | Yes       |

**WHMIS Classification**

| <u>CHEMICAL NAME</u>      | <u>DSL</u> | <u>Class</u> | <u>Description</u>                                    |
|---------------------------|------------|--------------|---|
| 2-(2-Butoxyethoxy)ethanol | Yes        | D-2B         | Materials Causing Other Toxic Effects; Toxic Material |

**SECTION – 16 OTHER INFORMATION****SDS LEGEND DESCRIPTION**

|               |   |              |  |
|---------------|---|--------------|--|
| ~             | 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

1/25/2024