



Issue date 6/16/2017

# Safety Data Sheet (SDS)

OSHA Hazard Communication Standard 29 CFR 1910.1200

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Reviewed on 4/10/2019

Trade Name: G96 Rifle Bore Cleaner

## 1 Product and Company Identification

### • Product Identifier

• Trade name: **G96 MILITARY GRADE BORE SOLVENT**

• Product Number: G96 MG Bore Solvent 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114

• Relevant identified uses of the substance or mixture and uses advised against:

• Product Description: Rifle bore cleaner and solvent for firearms.

• Details of the Supplier of the Safety Data Sheet:

• Manufacturer/Supplier:

G96 Products Inc.

85 5<sup>th</sup> Ave Bldg 6

Paterson, NJ 07524

973-684-4050 ph

973-684-3848 fx

Website: [www.g96.com](http://www.g96.com)

Email: [info@g96.com](mailto:info@g96.com)

• Emergency telephone number: Chemtrec 1-800-424-9300 or outside USA 1-703-527-3887

## 2 Hazard(s) identification

### • Classification of the substance or mixture:



GHS05 Corrosive

Skin Corrosion 1 H314 Causes severe skin burns and eye damage.



GHS07 Harmful

Specific Target Organ Toxicity – Single Exposure 3 H336 May cause drowsiness or dizziness.



GHS08 Health Hazard

Carcinogenicity 2 H351 Suspected of causing cancer.

Aspiration Hazard 1H304 May be fatal if swallowed and enters airways.

Combustible Liquid 4 H227 Combustible liquid.

Acute Aquatic Toxicity 3 H402 Harmful to aquatic life.

### • Label elements:

#### • GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).



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Trade Name: G96 Rifle Bore Cleaner

• **Hazard pictograms:**



GHS05 GHS07 GHS08

• **Signal Word:** Danger

• **Hazard-determining components of labeling:**

Proprietary blend, monoethanolamine, ammonium oleate

• **Hazard statements:**

- H227 Combustible liquid.
- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H402 Harmful to aquatic life.

• **Precautionary statements:**

- P102 Keep out of reach of children.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from flames and hot surfaces.-No smoking.
- P233 Keep container tightly closed.
- P261 Avoid breathing fumes.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301+310+330+331 IF SWALLOWED: Immediately call a poison control center. Rinse mouth. Do NOT induce vomiting.
- P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P304+340+310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center.
- P305+351+338+310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center.
- P308+313 IF EXPOSED OR CONCERNED: Get medical advice.
- P321 Specific treatment (see FIRST AID section on this label).
- P363 Wash contaminated clothing before reuse.
- P370+378 In case of fire: Use sand or carbon dioxide to extinguish.
- P403 Store in a well-ventilated place.
- P405 Store locked up.
- P501 Dispose of container in accordance with local regulations.

• **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.  
0% of the mixture consists of component(s) of unknown toxicity.



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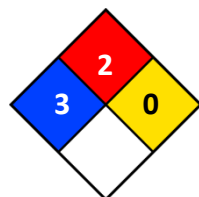
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**Trade Name: G96 Rifle Bore Cleaner**

- **Classification system:** NFPA/HMIS® III Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 – 4)**



HEALTH = 3  
FIRE = 2  
REACTIVITY = 0

- **HMIS® III ratings (scale 0 – 4)**

HEALTH	4	Health = 4
FIRE	2	Fire = 2
PHYSICAL HAZARD	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

### • Dangerous Components:

CAS: Proprietary	Proprietary Blend Flam. Liq. 1, H224;  Skin Irrit. 2, H315; STOT-SE 3, H336;  Carc. 2, H351; Asp. Haz. 1, H304;  Aquatic Tox. 2, H411;	25-50%
CAS: 141-43-5 RTECS: KJ5775000	Monoethanolamine Skin Corr. 1B, H314; Flam. Liq 4, H227;	15-35%
CAS: 544-60-5 RTECS: RG3700000	Ammonium Oleate Skin Irrit. 2, H315; Eye Irrit. 2B, H320	5-10%

### • Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of 29 CFR 1910.1200 and in accordance with the Hazard Communication Standard definition of Trade Secrets.

## 4 First-aid measures

### • Description of first aid measures:

#### • General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may occur after exposure to dust, fumes, or particulates; seek medical attention if feeling unwell.

- **After inhalation:** Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness, place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly. Call a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Call a doctor.
- **After swallowing:** May be harmful if ingested. Can cause respiratory depression and could be fatal. Call a physician or poison control center immediately.



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- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media:**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons, unsuitable extinguishing agents:** No further relevant information available.
- **Special hazards arising from the substance or mixture:** Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above flashpoint.
- **Advice for firefighters:**
- **Protective equipment:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### 6 Accidental release measures

- **Personal precautions, protective equipment, and emergency procedures:**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**  
Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents. Dispose of the collected material according to regulations.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling:** Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep ignition sources away – Do not smoke. Protect from heat. Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location in original container
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
- **Specific end use(s):** No further relevant information available.



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### 8 Exposure controls/personal protection

• **Additional information about design of technical systems:** No further data, see section 7.

• **Control parameters:**

• **Components with occupational exposure limits:**

The following constituents are the only constituents of the product which have a PEL, TLV, or other recommended exposure limit.

At this time, the remaining constituents have no known exposure limits.

#### 141-43-5 Monoethanolamine

PEL	Long-term value: 6 mg/m <sup>3</sup>
REL	Short-term value: 15 mg/m <sup>3</sup>
	Long-term value: 8 mg/m <sup>3</sup>
TLV	Short-term value: 15 mg/m <sup>3</sup>
	Long-term value: 7.5 mg/m <sup>3</sup>

• **Additional information:** The lists that were valid during the creation of this SDS were used as a basis.

• **Exposure controls:**

• **Personal protective equipment:**

• **General protective and hygienic measures:** Keep away from foodstuffs, beverages, and feed.

Immediately remove all soiled and contaminated clothing and wash it before reuse. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

• **Breathing equipment:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

• **Protection of hands:**



#### Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

• **Material of gloves:** The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has to be checked prior to the application.

• **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

• **Eye protection:**



#### Tightly sealed goggles

### 9 Physical and chemical properties

• **Information on basic physical and chemical properties**

• **General information**

• **Appearance:**

**Form:**

Liquid

**Color:**

Yellowish



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• <b>Odor</b>	Not determined
• <b>Odor threshold:</b>	Not determined
• <b>pH-value:</b>	Not determined
• <b>Change in condition</b>	
<b>Melting point/Melting range</b>	Not determined
<b>Boiling point/Boiling range</b>	170°C (338°F)
• <b>Flash point:</b>	66°C (149°F)
• <b>Flammability (solid, gaseous):</b>	Not determined
• <b>Ignition temperature:</b>	270°C
• <b>Decomposition temperature:</b>	Not determined
• <b>Auto ignition temperature:</b>	Product is not self-igniting
• <b>Danger of explosion:</b>	Not determined
• <b>Explosion limits:</b>	
<b>Lower:</b>	1.1 volume in air %
<b>Upper:</b>	14.0 volume in air %
• <b>Vapor pressure @ 20°C:</b>	0.4 hPa
• <b>Density:</b>	0.861 g/cm <sup>3</sup> (7.185 lbs/gal)
• <b>Relative density:</b>	Not determined
• <b>Vapor density:</b>	Not determined
• <b>Evaporation rate:</b>	Not determined
• <b>Solubility in water:</b>	Not miscible or difficult to mix
• <b>Partition coefficient:</b>	Not determined
• <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined
<b>Kinematic:</b>	Not determined
• <b>Solvent content:</b>	
<b>Organic solvents:</b>	21.5%
<b>VOC content:</b>	21.5%
• <b>Other information:</b>	No further relevant information available

### 10 Stability and reactivity

- **Reactivity:** Stable under normal conditions.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.



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### 11 Toxicological information

- **Information on toxicological effects:**

- **Acute toxicity:**

- **LD50/LC50 values that are relevant for classification:**

- **141-43-5 Monoethanolamine**

Oral	LC50	2050 mg/kg bw (Rat)
Dermal	LD50	1000 mg/kg bw (Rabbit)

- **Acute Toxicity Estimates:**

- **Oral Acute Toxicity Estimate for mixture:** <5857.14 mg/kg bw

- **Dermal Acute Toxicity Estimate for mixture:** <2857.14 mg/kg bw

- **Inhalation Acute Toxicity Estimate for mixture:** Not determined

- **Primary irritant effect:**

- **On the skin:** Strong caustic effect on skin and mucous membranes.

- **On the eye:** Strong caustic effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful, Corrosive, Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

### 12 Ecological information

- **Toxicity:**

- **Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

- **Aquatic Toxicity Estimates:**

- **Toxicity to Fish estimate for mixture:** 13.46 mg/L

- **Toxicity to Crustacea estimate for mixture:** 25 mg/L

- **Toxicity to Algae estimate for mixture:** 42 mg/L

- **Persistence and degradability:** Not determined.

- **Behavior in environmental systems:**

- **Bioaccumulative potential:** Not determined.

- **Mobility in soil:** Not determined.

- **Ecotoxicological effects:**

- **Remark:** Toxic for fish.

- **Additional ecological information:**

- **General notes:** Do not allow undiluted product or product that has not been neutralized to reach ground water, water course, or sewage system. Poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

- **Results of PBT and vPvB assessment:**

- **PBT:** Not applicable.





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- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods:**
- **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state, and local environmental regulations when disposing of this material.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

- **UN number:** LIMITED QUANTITY IF UNDER 5 L  
NA1993
- **UN proper shipping name:** LIMITED QUANTITY IF UNDER 5 L  
Combustible Liquid, N.O.S.

- **Transport hazard class(es):**

- **DOT:**



- **Class:** LIMITED QUANTITY IF UNDER 5 L  
3 Combustible Liquid
- **Label:** 3
- **Packaging Group:** Not applicable
- **Limited Quantity Exceptions:** Up to 5L
- **Marine pollutant:** No

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- **IATA:**

- **Class:** NOT REGULATED
- **Label:** NOT REGULATED
- **Packaging Group:** NOT REGULATED
- **Limited Quantity Exceptions:** NOT REGULATED
- **Marine pollutant:** No

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- **IMDG:**

- **Class:** NOT REGULATED
- **Label:** NOT REGULATED
- **Packaging Group:** NOT REGULATED
- **Limited Quantity Exceptions:** NOT REGULATED
- **Marine pollutant:** No

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- **Transport in bulk in accordance with**





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Annex II of MARPOL 73/78 and IBC

Not applicable

• **Special precautions:**

### 15 Regulatory information

• **Safety, health, and environmental regulations/legislation specific for the substance or mixture:**

• **SARA (Superfund Amendments and Reauthorization):**

• **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

• **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

• **TSCA (Toxic Substances Control Act):**

None of the ingredients are listed.

• **California Proposition 65:**

• **Chemicals known to cause cancer:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

• **Carcinogenic categories:**

• **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

• **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

• **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

• **GHS label elements:**

The product is classified and labeled according to the Globally Harmonized System (GHS).

• **Hazard pictograms:**



GHS05 GHS07 GHS08

• **Signal Word:** Danger

• **Hazard-determining components of labeling:**

Proprietary blend, monoethanolamine, ammonium oleate

• **Hazard statements:**

- |      |   |
|------|---|
| H227 | Combustible liquid.                           |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage.      |
| H336 | May cause drowsiness or dizziness.            |
| H351 | Suspected of causing cancer.                  |
| H402 | Harmful to aquatic life.                      |



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Trade Name: G96 Rifle Bore Cleaner

### • **Precautionary statements:**

- P102 Keep out of reach of children.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from flames and hot surfaces.-No smoking.
- P233 Keep container tightly closed.
- P261 Avoid breathing fumes.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301+310+330+331 IF SWALLOWED: Immediately call a poison control center. Rinse mouth. Do NOT induce vomiting.
- P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P304+340+310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center.
- P305+351+338+310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center.
- P308+313 IF EXPOSED OR CONCERNED: Get medical advice.
- P321 Specific treatment (see FIRST AID section on this label).
- P363 Wash contaminated clothing before reuse.
- P370+378 In case of fire: Use sand or carbon dioxide to extinguish.
- P403 Store in a well-ventilated place.
- P405 Store locked up.
- P501 Dispose of container in accordance with local regulations.

• **National Regulations:** This product is subject to be classified according with the latest version of the regulations on hazardous substances.

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of preparation/last revision:** 4/10/2019