



# Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 12/19/2016

Reviewed on 12/19/2016

## \* 1 Identification

· **Product Identifier**

· **Trade name: G96 Nitro Solvent**

· **Product Number:** 1105

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

· **Product Description**

Aerosol solvent and cleaner for firearms.

Removes leading, powder residue and metal fouling from bore of firearm.

· **Details of the Supplier of the Safety Data Sheet:**

· **Manufacturer/Supplier:**

G96 Products Inc.

85 5th Ave Bldg 6

Paterson, NJ 07524

973-684-4050 ph

973-684-3848 fx

Website: www.g96.com

Email: 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:**



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS08 Health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Press. Gas H280 Contains gas under pressure; may explode if heated.

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· **Label elements:**

· **GHS label elements**

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

· **Hazard pictograms:**



GHS02



GHS07



GHS08

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**Trade name: G96 Nitro Solvent****Signal word:** Danger**Hazard-determining components of labeling:**Distillates (petroleum), hydrotreated light  
Isopropyl alcohol**Hazard statements:**H222 Extremely flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.**Precautionary statements:**P251 Do not pierce or burn, even after use.  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves.  
P273 Avoid release to the environment.  
P264 Wash thoroughly after handling.  
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P331 Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P410+P403 Protect from sunlight. Store in a well-ventilated place.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.**Unknown acute toxicity:**

30 % of the mixture consists of component(s) of unknown toxicity.

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

HEALTH	1	Health = 1
FIRE	3	Fire = 3
REACTIVITY	2	Reactivity = 2

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

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**Trade name: G96 Nitro Solvent****3 Composition/Information on Ingredients**

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

**Dangerous Components:**

CAS: 67-63-0 RTECS: NT 8050000	Isopropyl alcohol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	25-50%
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336; Flam. Liq. 4, H227	25-50%
CAS: 68476-86-8	Petroleum gases, liquefied, sweetened ⚠ Flam. Gas 1, H220; Flam. Liq. 2, H225; Press. Gas, H280	25-50%
CAS: 628-63-7 RTECS: AJ 2010000	Amyl acetate ⚠ Flam. Liq. 3, H226	2-12%

**\* 4 First-Aid Measures**

- **Description of first aid measures:**
- **General information:**  
Have SDS or product label if medical advice is needed. Seek a medical professional or doctor if you feel unwell or if any irritation persists. Specific hazard information can be found in Section 2 of this SDS.
- **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.  
Remove contaminated clothing and wash before reuse.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
If easy to do so, remove contact lenses if worn.
- **After swallowing:**  
Do not induce vomiting without medical advice.  
May be harmful if ingested. Can cause respiratory depression and could be fatal. Call a physician or poison control center immediately.
- **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. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture:**  
Contents extremely flammable and under pressure. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.
- **Advice for firefighters:**  
Pressurized aerosol containers may explode when exposed to heat from fires. Use caution.

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**Trade name: G96 Nitro Solvent****· 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 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:**

Do not spray on a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep protective respiratory device available.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

**· Conditions for safe storage, including any incompatibilities:****· Storage****· Requirements to be met by storerooms and receptacles:**

Store in a cool location.  
Observe official regulations on storing packagings with pressurized containers.

**· Information about storage in one common storage facility:** Not required.**· Further information about storage conditions:**

Keep receptacle tightly sealed.  
Do not gas tight seal receptacle.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

**· Specific end use(s):** No further relevant information available.

### 8 Exposure Controls/Personal Protection

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

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**Trade name: G96 Nitro Solvent**· **Control parameters:**· **Components with occupational exposure limits:**

<b>67-63-0 Isopropyl alcohol</b>	
PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm BEI
<b>64742-47-8 Distillates (petroleum), hydrotreated light</b>	
OSHA PEL	Long-term value: 5 mg/m <sup>3</sup>
<b>628-63-7 Amyl acetate</b>	
PEL	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
REL	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 532 mg/m <sup>3</sup> , 100 ppm Long-term value: 266 mg/m <sup>3</sup> , 50 ppm
· <b>Ingredients with biological limit values:</b>	
<b>67-63-0 Isopropyl alcohol</b>	
BEI	40 mg/L urine end of shift at end of workweek Acetone (background, nonspecific)

· **Additional information:** The lists that were valid during the creation of this SDS were used as 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 before reuse.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the 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. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves:**

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**Trade name: G96 Nitro Solvent**

The selection of the 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 therefore 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:**

Gas dissolved under pressure

**Color:**

Clear to light yellow

**· Odor:**

Alcohol-like

**· Odor threshold:**

Not determined.

**· pH-value:**

Not determined.

**· Change in condition****Melting point/Melting range:**

Not determined.

**Boiling point/Boiling range:**

83 °C (181 °F)

**· Flash point:**

-30 °C (-22 °F)

**· Flammability (solid, gaseous):**

Not applicable.

**· Ignition temperature:**

210 °C (410 °F)

**· Decomposition temperature:**

Not determined.

**· Auto igniting:**

Product is not self-igniting.

**· Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

**· Explosion limits:****Lower:**

0.5 Vol %

**Upper:**

12.0 Vol %

**· Vapor pressure @ 20 °C (68 °F):**

2 hPa (2 mm Hg)

**· Density:**

Not determined.

**· Relative density:**

Not determined.

**· Vapor density:**

Not determined.

**· Evaporation rate:**

Not applicable.

**· Solubility in / Miscibility with:****Water:**

Not miscible or difficult to mix.

**· Partition coefficient (n-octanol/water):** Not determined.

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**Trade name: G96 Nitro Solvent**

- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 100.0 %
  - VOC content:** 100.0 %
- **Other information:** 1000.0 g/l / 8.35 lb/gl  
No further relevant information available.

**\* 10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **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:** Heat, flame and ignition sources.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**\* 11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

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

**64742-47-8 Distillates (petroleum), hydrotreated light**

Oral	LD50	>5000 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** May be irritating.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant  
The product can cause inheritable damage.

- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
  - Group 1 - Carcinogenic to humans
  - Group 2A - Probably carcinogenic to humans
  - Group 2B - Possibly carcinogenic to humans
  - Group 3 - Not classifiable as to its carcinogenicity to humans
  - Group 4 - Probably not carcinogenic to humans

67-63-0 | Isopropyl alcohol

3

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

None of the ingredients are listed.

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

None of the ingredients are listed.

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**Trade name: G96 Nitro Solvent****12 Ecological Information**

- **Toxicity:**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **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.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

**\*14 Transport Information**

- **UN-Number:**
- **DOT, ADR, IMDG, IATA** UN1950
- **UN proper shipping name:**
- **DOT** Aerosols, flammable
- **ADR** UN1950 Aerosols
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **Transport hazard class(es):**
- **DOT**



Limited Quantity

- **Class:** 2.1

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**Trade name: G96 Nitro Solvent****· Label:** 2.1 + Limited Quantity**· ADR**

Limited Quantity

**· Class:** 2 5F Gases  
**· Label:** 2.1 + Limited Quantity**· IMDG, IATA**

Limited Quantity

**· Class:** 2.1  
**· Label:** 2.1+ID8000**· Packing group:****· DOT, ADR, IMDG, IATA****· Environmental hazards:**

Non-Regulated Material

Product contains environmentally hazardous substances:  
Distillates (petroleum), hydrotreated light

Warning: Gases

**· Special precautions for user:****· Danger code (Kemler):**

-

**· EMS Number:**

F-D,S-U

**· Stowage Code**

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre:  
Category A. For AEROSOLS with a capacity above 1 litre:  
Category B. For WASTE AEROSOLS: Category C, Clear of  
living quarters.**· Segregation Code**SG69 For AEROSOLS with a maximum capacity of 1 litre:  
Segregation as for class 9. Stow "separated from" class 1  
except for division 1.4. For AEROSOLS with a capacity above 1  
litre: Segregation as for the appropriate subdivision of class 2.  
For WASTE AEROSOLS: Segregation as for the appropriate  
subdivision of class 2.**· Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code:** Not applicable.**· Transport/Additional information:****· DOT****· Quantity limitations:**On passenger aircraft/rail: 75 kg  
On cargo aircraft only: 150 kg

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**Trade name: G96 Nitro Solvent**

- **ADR**
- **Excepted quantities (EQ):** Code: E0  
Not permitted as Excepted Quantity

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- **IMDG**
- **Limited quantities (LQ):** 1L
- **Excepted quantities (EQ):** Code: E0  
Not permitted as Excepted Quantity
- **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

**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):**

67-63-0 Isopropyl alcohol

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

All ingredients are listed or exempt from listing.

· **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.

· **Chemicals known to cause developmental toxicity:**

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):**

67-63-0 Isopropyl alcohol

A4

· **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:**

GHS02 GHS07 GHS08

- **Signal word:** Danger

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Isopropyl alcohol

**· Hazard statements:**

H222 Extremely flammable aerosol.  
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P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P331 Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P410+P403 Protect from sunlight. Store in a well-ventilated place.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**· Information about limitation of use:**

**· 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:** 12/19/2016 / 7

**· Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists

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**Trade name: G96 Nitro Solvent**

EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety and Health  
OSHA: Occupational Safety & Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
BEL: Biological Exposure Limit  
Flam. Gas 1: Flammable gases – Category 1  
Flam. Aerosol 1: Aerosols – Category 1  
Press. Gas: Gases under pressure – Compressed gas  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Flam. Liq. 4: Flammable liquids – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**\* Data compared to the previous version altered.**

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