SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
  · Trade name: Gun Bore Cleaner

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
  · Sector of Use
    SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
  · Application of the substance/mixture
    Polishing agent/ Burnishing compound
  · 1.3 Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    Flitz International Ltd.,
    821 Mohr Ave.
    Waterford, WI 53185 - USA
    Tel. +1 262 5345898
    Fax +1 262 5342991
    E-mail: info@flitz.com
  · Further information obtainable from: www.flitz.com
  · 1.4 Emergency telephone number: 1-800-222-1222

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
  · Classification according to Regulation (EC) No 1272/2008
    The product is not classified, according to the CLP regulation.
  · 2.2 Label elements
    · Labelling according to Regulation (EC) No 1272/2008 Void
    · Hazard pictograms Void
    · Signal word Void
    · Hazard statements Void
    · Additional information:
      Keep out of reach of children.
      Safety data sheet available on request.
  · 2.3 Other hazards
    · Results of PBT and vPvB assessment
      · PBT: Not applicable.
      · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
  · Description: Mixture of substances listed below with non-hazardous additions.

<table>
<thead>
<tr>
<th>Dangerous components:</th>
<th>EC number: 918-481-9</th>
<th>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</th>
<th>10-25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reg.nr.: 01-2119457273-39-xxxx</td>
<td>Asp. Tox. 1, H304</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
  · General information: No special measures required.
· After inhalation: Supply fresh air; consult doctor in case of complaints.
· After skin contact: In general, the product does not irritate the skin.
· After eye contact: Rinse opened eye for several minutes under running water.
· After swallowing: Rinse out mouth and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media
· Suitable extinguishing agents: CO2, powder or water spray. Fight large fire with alcohol resistant foam.
· For safety reasons unsuitable extinguishing agents: Water with full jet

· 5.2 Special hazards arising from the substance or mixture No further relevant information available.

· 5.3 Advice for firefighters
· Protective equipment: Wear self-contained respiratory protective device.
· Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures
Particularly danger of slipping on leaked/spilled product.
· 6.2 Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling No special measures required.
· Information about fire - and explosion protection: No special measures required.
· 7.2 Conditions for safe storage, including any incompatibilities
· Storage:
· Requirements to be met by storerooms and receptacles: No special requirements.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: None.
· Storage class: 10
· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.
· 8.1 Control parameters
· Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· Additional information: The lists valid during the making were used as basis.
8.2 Exposure controls

- Personal protective equipment:
  - General protective and hygienic measures:
    Do not eat, drink, smoke or sniff while working.
    The usual precautionary measures are to be adhered to when handling chemicals.
  - Respiratory protection: Not necessary if room is well-ventilated.
  - Protection of hands:
    The glove materials must be impermeable and resistant to the product/ the substance/ the preparation.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves
    Natural rubber, NR
    Recommended thickness of the material: ≥ 0.5 mm
    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
    For the mixture of chemicals mentioned below the penetration time must be at least 480 minutes
    (Permeation according to EN 374 Part 3: Level 6). The exact break through time must be found out by the manufacturer of the protective gloves and must be observed.
  - Eye protection: Goggles recommended during refilling

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- General Information
  - Appearance:
    Form: Viscous
    Colour: Green
  - Odour:
    Characteristic
  - Odour threshold:
    Not determined.
  - pH-value at 20 °C:
    8.5
  - Change in condition
    Melting point/freezing point: Undetermined.
    Initial boiling point and boiling range: 100 °C
  - Flash point:
    >65 °C
  - Flammability (solid, gas):
    Not applicable.
  - Decomposition temperature:
    Not determined.
  - Auto-ignition temperature:
    Product is not self-igniting.
  - Explosive properties:
    Product does not present an explosion hazard.
  - Explosion limits:
    Lower: Not determined.
    Upper: Not determined.
  - Vapour pressure:
    Not determined.
  - Density at 20 °C:
    1.127 g/cm³
  - Relative density
    Not determined.
  - Vapour density
    Not determined.
  - Evaporation rate
    Not determined.
  - Solubility in / Miscibility with water:
    Partly miscible.
  - Partition coefficient: n-octanol/water:
    Not determined.
  - Viscosity:
    Dynamic: Not determined.
    Kinematic at 40 °C: >21 mm²/s

9.2 Other information
No further relevant information available.
SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
  - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
  - Oral LD50 >5,000 mg/kg (rat)
  - Dermal LD50 >5,000 mg/kg (rabbit)
  - Inhalative LC50 (4 h) 4,951 mg/l (rat)
- **Primary irritant effect:**
  - Skin corrosion/irritation Based on available data, the classification criteria are not met.
  - Serious eye damage/irritation Based on available data, the classification criteria are not met.
  - Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenetic, mutagenicity and toxicity for reproduction)**
  - Germ cell mutagenicity Based on available data, the classification criteria are not met.
  - Carcinogenicity Based on available data, the classification criteria are not met.
  - Reproductive toxicity Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
  - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
  - EC50 >1,000 mg/l (daphnia)
  - LC50 (96 h) >1,000 mg/l (Oncorhynchus mykiss)
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bio accumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - General notes:
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
  - PBT: Not applicable.
  - vPvB: Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation** Smaller quantities can be disposed of with household waste.
SECTION 14: Transport information

- 14.1 UN-Number ADR, ADN, IMDG, IATA Void
- 14.2 UN proper shipping name ADR, ADN, IMDG, IATA Void
- 14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class Void
- 14.4 Packing group ADR, IMDG, IATA Void
- 14.5 Environmental hazards: Marine pollutant: No
- 14.6 Special precautions for user Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

UN "Model Regulation" Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU
  Named dangerous substances - ANNEX I None of the ingredients is listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  H304 May be fatal if swallowed and enters airways.

- Abbreviations and acronyms:
  ADR: Accord Européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  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)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bio accumulative and Toxic
  vPvB: very Persistent and very Bio accumulative
  Asp. Tox. 1: Aspiration hazard – Category 1