Enol Clean

SANITIZING DETERGENT FOR WINE FILTER CARTRIDGES

SAFETY DATA SHEET (according to Reg. 1272/2008)

REV. 01 OF 19 FEBRUARY 2021

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 **Product name:** ENOL CLEAN - Sanitizing Detergent for Wine Filter Cartridges
1.2 **Relevant identified uses of the substance or mixture and uses advised against:** *Sanitizing Detergent*
1.3 **Details of the supplier of the safety data sheet:** *CHEMICAL GROUP SRL Via Oddino Pietra 3, 28887 Omegna VB Tel. +39 0323 61611 - info@chemicalgroup.net*
1.4 **Emergency telephone number:** +39 *0323 61611 (ore ufficio) - fax +39 0323 082026 - (per centri antiveleni vedi punto 16)*

2 HAZARDS IDENTIFICATION

2.1 **Classification of the substance of mixture (CE 1272/2008)**
Physical hazards: Met. Corr. 1 H290.
Health hazards: Acute Tox. 4 H302; Skin Corr. 1A H314; Eye Irrit. 2 H319; STOT SE 3 H335.
Environmental hazards: Aquatic Acute 1 H400; Aquatic Chronic 1 H410.
2.2 **Label elements:**

Signal word: Danger
Hazard statements: H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long-lasting effects.
Precautionary statements: P102 Keep out of reach of children. P220 Keep/Store away from clothingand other combustible materials. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P305+P338+P351 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P310 Immediately call a POISON CENTER or a doctor.
2.3 **Other dengers:** none known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Mixtures:** sodium hydroxide CAS 1310-73-2 (60-80% Skin Corr.1A H314; Met. Corr.1 H290); sodium dichloroisocyanurate CAS 51580-86-0 (20-40% Aquatic Chronic 1 H410; Aquatic Acute 1 H400; Acute Tox. 4 H302; Eye Irrit. 2 H319; STOT SE 3 H335).

4 FIRST AID MEASURES

4.1 **Description of first aid measures**
Skin contact: rinse with plenty of water.
Eye contact: rinse cautiously with water. Get medical attention.
If inhaled: Move the victim to a location with fresh air and make sure they rest in a pose that facilitates respiration.
If swallowed: do not induce vomiting, get medical attention.
4.2 **Most important symptoms and effects, both acute and delayed:** redness of the eyes.
4.3 **Indication of any immediate medical attention and special treatment needed:** no data.

5 FIREFIGHTING MEASURES

5.1 **Extinguishing media:** foam, dry powder, carbon dioxide, water.
5.2 **Special hazards arising from the substance or mixture:** carbon oxides, nitrogen oxides.
5.3 **Advice for firefighters:** wear breathing apparatus with independent air supply.

6 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures:** rubber gloves and protective goggles.
6.2 **Environmental precautions:** do not allow contact with soil, surface or ground water.
6.3 **Methods and materials for containment and cleaning up:** collect or vacuum with suitable tools and send for disposal.
6.4 **Reference to other sections:** no data.

7 HANDLING AND STORAGE

7.1 **Precautions for safe handling:** keep container tightly closed and in a well-ventilated place. Wear appropriate personal protective equipment.

7.2 **Conditions for safe storage, including any incompatibilities:** keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Store in original container.

7.3 **Specific end uses:** no data.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control parameters:**

- **Sodium hydroxide**
  TLV/TWA 2 mg/m³
  DNEL (EC) Long-term Inhalation Worker: 1,0 mg/m³
  DNEL (EC) Long-term Inhalation Population: 1,0 mg/m³
- **Sodium dichloroisocyanurate**
  TLV/TWA 0,5 ppm
  DNEL (EC) Long-term Inhalation Worker: 8,11 mg/m³
  DNEL (EC) Long-term Inhalation Population: 1,99 mg/m³
  DNEL (EC) Long-term Dermal Worker: 2,3 mg/kg
  DNEL (EC) Long-term Dermal Population: 1,15 mg/kg
  PNEC (EC) Freshwater: 0,00017 mg/l
  NEC (EC) Marine Water: 1,52 mg/l
  PNEC (EC) Soil: 0,756 mg/kg

8.2 **Exposure controls:**
Hand protection: rubber gloves.
Eye/face protection: safety goggles.
Respiratory protection: in case of continuous handling, use mask with type alkaline filters.
General advice: suitably ventilated workplaces.

9 PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:	White powder
Odour:	Characteristic
Density at 20° C:	1,010 g/ml
Vapor density (air=1):	Not applicable
Boiling point:	>100 °C
Melt point:	Not applicable
Thermal decomposition:	No data available
Auto-ignition temperature:	Not self-igniting
Flash point:	Not igniting
Flammability (solid, gas):	Not igniting
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Explosive properties:	No data available
Vapour pressure (20°C):	No data available
Water solubility:	Total
pH at 5%:	12
Log Pow (20°C):	No data available
Viscosity (20°C):	No data available
Odour Threshold:	No data available
Evaporation rate:	No data available
Oxidizing properties:	No data available

9.2 **Other information:** No data

10 STABILITY AND REACTIVITY

10.1 **Reactivity:** reacts violently with strong acids.

10.2 **Chemical stability:** stable under normal conditions.

10.3 **Possibility of hazardous reactions:** exothermic reaction with acids and alcohols.

10.4 **Conditions to avoid:** frost, light, contact with acids.

10.5 **Incompatible materials:** acids, aluminum, water vapor, tin, zinc.

10.6 **Hazardous decomposition products:** sodium oxides.

11 TOXICOLOGICAL INFORMATION

11.1 **Information on toxicological effects:**
Oral toxicity:
LD50 = 50 mg/Kg (rat - sodium hydroxide)
LD50 = 1400 mg/Kg (rat - sodium dichloroisocyanurate)
Skin corrosion/irritation: causes severe skin irritation.
Serious eye damage/eye irritation: causes serious eye damage.
Respiratory or skin sensitization: not classified.
Germ cell mutagenicity: not mutagenic.
Carcinogenicity: not carcinogenic.
Reproductive effects: non-toxic.
Specific target organ toxicity (STOT) single exposure: not applicable.
Specific target organ toxicity (STOT) repeated exposure: not applicable.
Aspiration toxicity: not dengerous.

12 ECOLOGICAL INFORMATION

12.1 **Ecotoxicity:**
- **Sodium hydroxide**
  LC50 fish: 35-189 mg/l (96h)
  EC50 daphnia magna: 40,4 mg/l
- **Sodium dichloroisocyanurate**
  LC50 fish: <1 mg/l (96h)
  EC50 daphnia magna: 0,63-1,41 mg/l (96h)

12.2 **Persistence and degradability:** easly biodegradable.
12.3 **Bioaccumulative potential:** not bioaccumulable.
12.4 **Mobility in soil:** no data.
12.5 **Results of PBT and vPvB assessment:** absent PBT and vPvB.
12.6 **Other adverse effects:** no data.

13 DISPOSAL CONSIDERATIONS

13.1 **Waste treatment methods:** dispose of in accordance with local regulations; the packaging can be recycled after adequate washing.

14 TRANSPORT INFORMATION

14.1 **UN Number:** 1823.
14.2 **UN proper shipping name:** none.
14.3 **Transport hazard class(es):** 8.
14.4 **Packing group:** II.
14.5 **Environmental hazards: ADR/RID:** none.
14.6 **Special precautions for user:** none.
14.7 **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** not available.

15 REGULATORY INFORMATION

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture:** D.Lgs 81/2008; Direttiva 2009/161/UE; Reg. n°.1907/2006/CE (REACH); Reg. n°.1272/2008/CE CLP).
15.2 **Chemical Safety Assessment:** Chemical Safety Assessment has been carried out on the product.

16 OTHER INFORMATION

16.1 Hazard statements:

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long-lasting effects.
EUH031 Contact with acids liberates toxic gas.

Main telephone numbers for Italian Poison Control Centers (24 hours on 24): Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia); Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca` Granda - Milano); Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo); Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze); Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma); Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma); Centro Antiveleni di Roma 06 68593726 (CAV Osp. Pediatrico Bambino Gesù - Roma); Centro Antiveleni di Foggia 0881 732326 (Azienda Ospedaliero Universitaria di Foggia); Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli).