

Vetro Power NANO-EVERO Weapon Nanocleaner

MATERIAL SAFETY DATA SHEET (MSDS)

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

1.1. Product Identifier

Product name : Vetro Power NANO-EVERO Weapon Nanocleaner
Product code : -

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Identified uses: Advanced cleaner for firearms removing tombac, powder, and residues safely.

1.3. Details of the supplier of the safety data sheet

ZYAX CHEM PVT LTD
3rd Floor, Kamer Building,
38 Cawasji Patel Street, Fort,
Mumbai - 400001, India.
Contact No: +91 8779240420
info@zyax.in - www.zyax.in

1.4. Emergency telephone number

Emergency number : +91 22 2757 3899

SECTION 2. COMPOSITION / DATA ON COMPONENTS:

2.1. Chemical characterization

Preparation, Cleaning agent, Liquid .



GHS07 ATTENTION

2.2. Hazardous Components

CAS-Number	Index	2 03 -9 05 -0	111 -7 6- 2	603-014-00-0
Classification	G HS -Classification	2 -Butoxy- ethanol (vgl. Butylg lykol)	Xn,XiR 20/21 /22- 36/38	Acute Tox.4, Eye Irrit.2, Skin Irrit.2 ;

SECTION 3. LABEL ELEMENTS:

3.1. S-Phrases:

25 Avoid contact with eyes..
26 In case of contact with eyes, rinse immediately with plenty of water and seek. medical advice

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45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible.)

46 If swallowed, seek medical advice immediately and show this container or label

36/39 Wear suitable protective clothing and eye/face protection.

SECTION 4. FIRST AID MEASURE:

4.1. After inhalation

Exempt

4.2. After skin contact

Take off contaminated clothing and shoes immediately. Wash off with plenty of water.

4.3. After eye contact

Rinse thoroughly with plenty of water, also under the eyelids

4.4. After swallowing

Drink water as a precaution. Call a physician immediately.

SECTION 5. FIRE FIGHTING MEASURES:

5.1. Suitable extinguishing agents

Water, Foam, Carbon dioxide (CO₂), Powder

5.2. For safety reasons unsuitable extinguishing agents

Water

5.3. Special hazards caused by the material, its products of combustion or resulting gases

Unknown

5.4. Advice for firefighters

No special protective equipment required.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

6.1. Person-related safety precautions

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Avoid contact with the eyes and skin. Do not breathe fumes/aerosol.

6.2. Measures for environmental protection

Do not allow water to enter the ground/soil. Do not allow products to reach sewage system or water bodies. Dilute with much water.

6.3. Measures for cleaning/collecting

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)., Use mechanical handling equipment

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SECTION 7. HANDLING AND STORAGE:

7.1. Handling

7.1.1 Information for safe handling :

Keep away from heat and direct sunlight. Use only in well ventilated areas. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Use the material only at places where open light, fire and other ignition sources are kept away.

7.1.2 Information about protection against explosions and fires :

Keep ignition sources away – Do not smoke. Protect against electrostatic charges.

7.2. Storage

7.2.1 Requirements to be met by storerooms and containers :

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

7.2.2 Information about storage in one common storage facility : Not required.

7.2.3 Further information about storage conditions : Store in a cool place. Heat will increase pressure and may lead to the container exploding. Store in cool, dry conditions in well sealed containers.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

8.1. Additional information about design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace: no values to be monitored.

Occupational exposure limit value

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
111-76-2	2-Butoxy-ethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxy-ethanol	butoxyacetic acid	240 mmol/mol	urine	Post Shift

8.2. Personal protective equipment



8.3. General protective and hygienic measures:

The use and choice of Personal Protection equipment is related to the hazard of the product, the workplace, and the way the product is handled. In general, we recommend as a minimum safety precaution that safety glasses with side-shields and workclothes protecting arms, legs and body be used. In addition, any person visiting an area where this product is handled or processed should at least wear safety glasses with side-shields.

Special advice : Take off all contaminated clothing immediately

Respiratory protection :exempt.

Protection of hands : No special precautions required

Eye protection : No special precautions required

Body protection : No special precautions required

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1. General Information

Form : Liquid
Colour : Transparent, greenish
Odour : Mild

9.2. Change in condition

Melting point/Melting range : --
Boiling point/Boiling range : 96°C
Flashpoint : n.a
Ignition temperature : n.a
Water solubility (at 20 °C): miscible
Viscosity / kinematic (at 20 °C): : 9,2 mm²/s DIN 53211 4mm

9.3. Self-inflammability : Product is not selfigniting

9.4. Critical values for explosion :

Lower : -Vol %
Upper : -Vol %

9.5. Density at 20 °C : 0,96 g/cm³

9.6. Solubility in / Miscibility with Water :Not mixable or difficult to mix and to 100 % in organic solvent

9.7. Additional information : --

SECTION 10. STABILITY AND REACTIVITY:

10.1 Hazardous polymerisation : Exempt

10.2. Conditions to avoid polymerisation : No decomposition if stored and applied as directed

10.3. Materials and conditions to avoid (Incompatibility) : Exempt

SECTION 11. TOXICOLOGICAL INFORMATION:

11.1. Acute toxicity

LD50 oral : 470 mg/kg

LDLOdermal : 11 mg/KG-

LC50 inhal. : - 1100 mg/L

Inhalation : Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness are anesthetic and may have other central nervous systems effects.

On the skin : Low odor of toxicity. Frequent or prolonged contact may defeat and dry the skin, leading to discomfort and dermatitis.

On the eye : Irritating, but does not injure eye tissue.

11.2. Ingestion

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema.

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11.3. Additional toxicological information: Additional information is available on special request.

SECTION 12. ECOLOGICAL INFORMATION:

Ecotoxicological effects:

Remark : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 bodies or sewage system.

SECTION 13. DISPOSAL CONSIDERATIONS:

13.1. Product

Recommendation : Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations

Waste disposal key number : The waste disposal key number has to be classified according to the European waste catalogue corresponding to the branch of industry and processing of the product.

13.2. Uncleaned Packagings

Recommendation : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Can be landfilled or incinerated, when in compliance with local regulations. Small amount

13.3. Additional information : The waste category of this product is 14 06 33 (another solvent and solvent mixtures).

SECTION 14. TRANSPORT INFORMATION:

Land transport ADR/RID/GGVs/GGVE (cross-border/domestic)

ADR/RID-GGVs/E Class : not classified as dangerous goods under transport regulations

Classification Code : -

Kemler-Number : -

UN-Number : -

Packaging group : -

Label : -

Designation of goods : -

Maritime transport IMDG/GGVSee

UN-Number : -

IMDG/GGVSea-Class : not classified as dangerous goods under transport regulations

Label : -

Packaging group : -

EMS-Number : -

Marine pollutant : -

Correct technical name : -

Air transport ICAO/IATA

UN-Number : -

ICAO/IATA-Class : not classified as dangerous goods under transport regulations

Label : -

Packaging group : -

Correct technical name : -



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SECTION 15. REGULATORY INFORMATION:

Hazard Identification Number :

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16. FURTHER INFORMATION:

Full text of R phrases referred to under Sections 2 and 3:

20/21/22 Harmful by inhalation, in contact with skin and if swallowed
36 Irritating to eyes..
36/38 Irritating to eyes and skin.

Full text of H statements referred to under Sections 2 and 3

H302 Harmful if swallowed
H312 Harmful in contact with skin
H315 Causes skin irritation
H319 Causes serious eye irritation
H332 Harmful if inhaled

DEPARTMENT ISSUING DATA SPECIFICATION SHEET: LOGISTICS-TECHNOLOGY-SAFETY

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CAS: Chemical Abstract Service NA: Not Applicable
CFR: Code of Federal Regulations ND: Not Determined
DOT: Department of Transportation NIOSH: National Institute of Occupational Safety & Health
DSL: Domestic Substance List NFPA: National Fire Protection Association
g/L: grams per Liter NTP: National Toxicology Program
HMIS: Hazardous Materials Identification System OSHA: Occupational Safety and Health Administration
IARC: International Agency for Research on Cancer PMCC: Pensky-Martens Closed Cup
IATA: International Air Transport Association PPE: Personal Protection Equipment
ICAO: International Civil Aviation Organization ppm: Parts per Million
IMDG: International Maritime Dangerous Goods RoHS: Restriction of Hazardous Substances
IMO: International Maritime Organization STEL: Short Term Exposure Limit
lbs./gal: pounds per gallon TCC: Tag Closed Cup
LC: Lethal Concentration TWA: Time Weighted Average
LD: Lethal Dose WHMIS: Workplace Hazardous Materials Information System