

Vetro Power GRAPHENE-X NANOCOATING

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 GRAPHENE-X NANOCOATING
Product code : -

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

- 1.2.1. Identified Uses: Nano ceramic coating containing graphene additives for automotive painted surfaces, metal, chrome, and alloy wheels.
Uses Advised Against: Not intended for unsupervised consumer use. Professional and/or industrial application only.

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 8779240420

SECTION 2: Hazards identification

2.1 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Flammable liquid
Harmful
Irritant
Dangerous for the environment

2.2 LABEL ELEMENTS

Hazard Symbol:

X – Harmful
Contains: Organic solvents

R-phrases:

R20/21: Harmful by inhalation and in contact with skin
R38: Irritating to skin
R52/53: Harmful to aquatic life with long-term effects

S-phrases:

S23: Do not breathe vapour/spray
S36/37: Wear suitable protective clothing and gloves
S38: If ventilation is insufficient, wear suitable respiratory equipment

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2.3 OTHER HAZARDS

No PBT or vPvB substances.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	PROPORTION
N-BUTYL ACETATE	142-96-1	10 – 20 %
SILICON DIOXIDE (SiO ₂)	7631-86-9	80 – 90 %
GRAPHENE OXIDE		

SECTION 4: FIRST AID MEASURES

Inhalation:

Move to fresh air. If breathing is irregular or stops, administer artificial respiration. Seek medical attention.

Skin Contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention if irritation persists.

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if applicable. Seek medical attention.

Ingestion:

Do not induce vomiting. Rinse mouth. Seek immediate medical attention.

Most Important Symptoms:

Typical solvent exposure effects may include irritation, headache, dizziness, and nausea.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media:

AFFF foam

CO₂

Dry chemical

Water spray

Unsuitable Media:

High-pressure water jet.

Fire/Explosion Hazards:

The product contains flammable solvent (n-Butyl Acetate).

Protective Equipment:

Wear full protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Ensure ventilation. Remove ignition sources. Avoid inhalation.

Environmental Precautions:

Prevent entry into drains or water systems.

Cleanup Methods:

Absorb with sand, earth, vermiculite. Collect in a labelled container. Clean with detergent.

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SECTION 7: HANDLING AND STORAGE

Handling:

Use only in well-ventilated areas. Avoid contact with eyes and skin. Keep away from ignition sources.

Storage:

Store in a tightly closed container in a cool, dry, well-ventilated place.

Recommended storage temperature: 5°C - 25°C.

Keep away from heat, sparks, open flame.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No exposure limits.

8.2 Exposure Controls

Engineering Controls: Adequate ventilation required.

Personal Protective Equipment:

Eye protection: Safety goggles

Hand protection: Chemical-resistant gloves

Respiratory protection: Organic vapour respirator when needed

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to pale yellow liquid

Density: 0.84 g/cm³

Viscosity: 12 – 20 mPa·s (20°C)

Flash Point: 29°C

Odour: Not specified

Boiling Point: Not specified

Melting Point: Not specified

Solubility: Not specified

Vapour Density: Not specified

SECTION 10: STABILITY AND REACTIVITY

Stability : Stable under normal handling and storage conditions.

Conditions to Avoid : Heat, flames, sparks, static discharge.

Incompatible Materials : Strong acids, alkalis, oxidizing agents.

Hazardous Decomposition Products: General combustion products may include CO, CO₂, smoke, and other harmful vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Irritating to skin, eyes, and mucous membranes

May cause dizziness, headaches from solvent vapours

Harmful if inhaled or absorbed through the skin

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SECTION 12: ECOLOGICAL INFORMATION

Avoid uncontrolled release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose according to local regulations.

Do not release into drains or waterways.

Containers may retain flammable vapours and residues.

SECTION 14: TRANSPORT INFORMATION

Transport only in accordance with the requirements of the Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labeling), ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

UN number ADR/RID; IMDG; ICAO/IATA: 1263

UN proper shipping name ADR/RID; IMDG; ICAO/IATA: PAINT-

Transport hazard class(es) **Hazard class** ADR/RID; IMDG; ICAO/IATA: 3

Subsidiary hazard class ADR/RID; IMDG; ICAO/IATA: Not applicable.

Labels :



Special Provisions ADR/RID : 640E

Hazchem Code ADR/RID: 3Y

EmS IMDG: F-E,S-E

Packaging group ADR/RID; IMDG; ICAO/IATA: III

Environmental hazards ADR/RID; IMDG; ICAO/IATA: none

Marine pollutant IMDG: no

Special precautions for user please see section 6 – 8

SECTION 15: REGULATORY INFORMATION

No specific regulatory information.

SECTION 16: OTHER INFORMATION

This MSDS includes only safety-related information.