

Vetro Power CERAMIQ GLASS + 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 CERAMIQ GLASS + NANOCOATING
Product code : -

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

Identified Uses:

Nano coating for glass, windows, porcelain, ceramic, tile, façades, skylights, balustrades and similar non-porous surfaces.
Provides a self-cleaning / easy-cleaning hydrophobic and oleophobic surface.

Uses Advised Against:

Not for private consumer use where solvent handling is restricted. Industrial and/or professional use 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 Classification of the substance or mixture

- Flammable
- Harmful
- Irritant
- Dangerous for the environment

2.2 Label Elements

Hazard Symbols:

X – Harmful

Contains: Isopropyl Alcohol

R-phrases:

R10: Flammable

R20/21: Harmful by inhalation and in contact with skin

R38: Irritating to skin

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases:

S23: Do not breathe vapour/spray

S36/37: Wear suitable protective clothing and gloves

S38: In case of insufficient ventilation, wear suitable respiratory protection

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2.3 Other Hazards

No substance present is considered PBT or vPvB.

3.1 Chemical Characterization:

Component	CAS No.	Proportion
Isopropyl Alcohol	67-63-0	90 – 95 %
Silicon Dioxide	7631-86-9	5 – 10 %

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice:

Seek medical attention if symptoms persist. Never give anything by mouth to an unconscious person.

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. If irritation persists, obtain medical advice.

Eye Contact:

Remove contact lenses. Rinse cautiously with clean water for at least 15 minutes. Seek medical attention.

Ingestion:

Do not induce vomiting. Rinse mouth. Seek immediate medical attention and show the container or label.

4.2 Most Important Symptoms and Effects

May cause irritation to skin, eyes, and respiratory system. May cause nausea, dizziness, headache.

SECTION 5: FIREFIGHTING MEASURES

5.1 Suitable Extinguishing Media:

- AFFF foam
- CO₂
- Dry chemical
- Water spray

Not Suitable:

High-volume water jet

Special Hazards:

Produces dense black smoke containing hazardous combustion products. Vapours may form explosive mixtures.

Protective Equipment:

Firefighters should wear flameproof protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:
Ensure adequate ventilation. Keep away from ignition sources. Avoid inhalation of vapours.
- 6.2 Environmental Precautions:
Do not allow products to enter drains or waterways.
- 6.3 Methods for Containment/Clean-up:
Absorb with sand, earth, or similar inert material. Place in the appropriate container for disposal. Clean with detergent.

SECTION 7: HANDLING AND STORAGE

- 7.1 Handling
Avoid formation of vapour concentrations. Use only in well-ventilated areas free of ignition sources. Avoid contact with skin and eyes.
- 7.2 Storage
Store tightly closed between 5°C and 25°C, in a dry, well-ventilated area away from heat, flames, and direct sunlight. Store separately from oxidizing agents, acids, and alkalis.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control Parameters
No specific occupational exposure limits.
- 8.2 Exposure Controls
Engineering Controls: Adequate ventilation required.
- Personal Protective Equipment:
- Eye protection: goggles or face shield
 - Hand protection: PVC, nitrile, or neoprene gloves
 - Respiratory protection: in insufficient ventilation, use organic vapour respirator
 - Protective clothing as needed

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Clear to light yellow liquid
- Odour: Alcohol odour
- Flammability: Highly flammable
- Flash Point: 12°C (Isopropanol)
- Boiling Point: 82.4°C
- Melting Point: -90°C
- Specific Gravity: ~0.79
- Vapour Density: 2.1 (Air = 1)
- Solubility: Soluble in water
- Viscosity: Not available

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SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under recommended conditions.

Conditions to Avoid: Heat, sparks, static discharge.

Incompatible Materials: Acids, alkalis, oxidizing/reducing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

- May cause irritation to eyes, skin, and respiratory tract
- Ingestion may cause nausea, headache, dizziness

SECTION 12: ECOLOGICAL INFORMATION

- Harmful to aquatic organisms
- Avoid discharge into environment
- No PBT/vPvB substances known

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local regulations. Do not discharge into drains. Empty containers may contain flammable vapours.

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 additional regulatory data.

SECTION 16: OTHER INFORMATION

This MSDS contains safety-related information only. For full product technical details, refer to the corresponding TDS.