



VETRO POWER FLAME RETARDANT FOR TEXTILES

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 FLAME RETARDANT FOR TEXTILES
Product code : -

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

1.2.1. Fire retardant for textiles, paper and wood

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: Hazards identification

2.1 Classification of the substance or mixture

GHS CLASSIFICATION:

- Eye Irritation - Classification Not Possible
- Skin Irritation - Classification Not Possible
- Acute Toxicity - Not Classified; Approximately 33% of ingredient(s) have no known acute toxicity
- Respiratory Sensitization - Classification Not Possible
- Skin Sensitization - Classification Not Possible

2.2 Label Elements

GHS LABEL REQUIREMENTS:

- Symbol: None
- Signal Word: None
- Hazard Statement(s): None
- Precautionary Statement(s): None

2.3 Other Hazards

May cause skin and respiratory irritation. It may also be harmful if inhaled.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Components

COMPONENT	CAS NO	PERCENT (%)
Water	7732-18-5	65-70
Proprietary flame retardant ingredients	Trade Secret	30-35

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

INGESTION:

Consult a physician immediately.

EYE CONTACT:

Flush with large amounts of water for 10-15 minutes. Consult a physician if needed.

SKIN CONTACT:

Wash affected area with soap and water. Remove contaminated clothing and shoes.

INHALATION:

Leave the contaminated area and seek fresh air. If breathing is difficult, contact a physician.

SECTION 5: Firefighting measures

5.1 Extinguishing Media

SUITABLE EXTINGUISHING MEDIA:

Alcohol foam, CO₂, dry chemical or water spray

5.2 Special Hazards Arising from the Substance or Mixture

PROTECTIVE EQUIPMENT:

Use NIOSH/MSHA approved SCBA and bunker gear.

HAZARDOUS COMBUSTION PRODUCTS:

CO₂, CO, Ammonia and other compounds

SECTION 6: Accidental release measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Ensure cleanup is done only by trained personnel wearing appropriate personal protective equipment.

6.2 Environmental Precautions

Ventilate area and cover with absorbent material.



6.3 Methods and Material for Containment and Cleaning Up

- Collect spilled material in a container and seal.
- Spilled material is a slipping hazard.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Follow safe industrial hygiene practices and wear proper protective equipment.

- Use only in well ventilated areas.
- Wash hands thoroughly after handling.
- Wash clothing after use.
- Avoid contact with skin or eyes.
- Do not breathe vapor or spray.
- Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.
- If smoking tobacco becomes contaminated by this material, exposure to traces of toxic gases through inhalation can occur. Therefore, do not smoke in the work areas and wash hands and face after handling in order to avoid transfer of material onto tobacco.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

- Store material at 5°C (40°F) to 40°C (104°F).
- Can perish if frozen. Keep from freezing.
- Keep away from heat, steam, sunlight, sparks and open flame.
- Store containers tightly closed when not in use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

EXPOSURE LIMITS:

No exposure limits available for the product. Excessive exposure to thermal degradation (above 425°C/797°F) of this product could potentially result in delayed pulmonary edema in some instances.

8.2 Appropriate Engineering Controls

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

8.3 Personal Protective Equipment (PPE)

RESPIRATORY PROTECTION:

Use with adequate ventilation and/or a respirator suitable for protection when spraying this material.

EYE PROTECTION:

Safety glasses with side shields or goggles.

HAND PROTECTION:

Chemical-resistant gloves and protective clothing should be worn when handling this material.



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SKIN PROTECTION:

Body protective clothing is essential (in addition to the usual working clothes).

OTHER PROTECTIVE EQUIPMENT:

Eyewash station and safety shower. Use local exhaust ventilation if needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

APPEARANCE: Clear to hazy liquid

ODOR: Not available

ODOR THRESHOLD: Not available

pH: 6.5 - 7.5

MELTING POINT: Not Applicable

FREEZING POINT: Approximately 0°C (32°F)

BOILING POINT/RANGE: Approximately 100°C (212°F) (water)

FLASH POINT: Doesn't flash

FLAMMABLE LIMITS: LEL - Not Available

UEL - Not Available

EVAPORATION RATE (Butyl acetate=1): Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

SPECIFIC GRAVITY (H₂O=1): Approximately 1.2 at 25°C

APPARENT DENSITY: Not Available

SOLUBILITY(IES): Miscible in water

PARTITION COEFFICIENT (n-octanol/water): Not Available

AUTO-IGNITION TEMPERATURE: Not Available

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical Stability

STABILITY: Stable

CONDITIONS TO AVOID:

None known.

10.3 Possibility of Hazardous Reactions

No data available

10.4 Conditions to Avoid

None known.

10.5 Incompatible Materials

None known.

10.6 Hazardous Decomposition Products

CO, CO₂, Possible traces of Ammonia and traces of other toxic materials



SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

ACUTE EFFECTS OF EXPOSURE

Ingestion: May be harmful if swallowed

Eye Contact: May cause mild irritation

Skin contact: May cause skin irritation

Inhalation: May cause respiratory irritation

CHRONIC EFFECTS OF EXPOSURE: No Data Available

ACUTE TOXICITY: No Data Available

SKIN CORROSION/IRRITATION: No Data Available

SERIOUS EYE DAMAGE/IRRITATION: No Data Available

RESPIRATORY OR SKIN SENSITIZATION: No Data Available

GERM CELL MUTAGENICITY: No Data Available

CARCINOGENICITY: None of the components in this material are listed by NTP, OSHA or IARC.

REPRODUCTIVE TOXICITY: No Data Available

STOT-SINGLE EXPOSURE: No Data Available

STOT-REPEATED EXPOSURE: No Data Available

ASPIRATION HAZARD: Not applicable

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and Degradability

BIODEGRADABILITY: No data

12.3 Bioaccumulative Potential

BIOACCUMULATION: No data

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Comply with Federal, State and Local regulations concerning health and environment when disposing of materials. Regulations may also apply to empty containers, liners, or rinsate.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Classification

UN CLASSIFICATION: Not applicable



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14.1 UN Classification

UN CLASSIFICATION: Not applicable

14.2 DOT Hazard Description

DOT HAZARD DESCRIPTION: Not applicable

14.3 Canadian Transportation of Dangerous Goods

CANADIAN TRANSPORTATION OF DANGEROUS GOODS (TDG): Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation

TSCA:

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

California Prop 65: None

Canada: All components are listed on DSL

EINECS: All components are in compliance with inventory listing in EINECS

Other:

State and local regulations may have specific requirements for this product or components of this product; consult specific state and local regulatory requirements for additional information.

SECTION 16: OTHER INFORMATION

This product does not contain any PBDEs.

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