

# HEMA FREE FORTIFY:



## Construct

### Material Safety Data Sheet (SDS)

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#### Section 1: Product Identification

<b>Product Identifier</b> HEMA Free Fortify - Construct	<b>Product Use</b> Professional Use Only
<b>Manufacturer's Name</b> Fuzion Gel Ltd.	<b>Street Address</b> 10536 178 St. NW, Edmonton, AB, Canada
<b>Date SDS Prepared</b> May 2023	<b>Phone Number</b> 1 (844) 748-9324

#### Section 2: Hazardous Ingredients

Hazardous Ingredient	%	CAS Number	LD <sub>50</sub> of Ingredient
POLYACRYLIC ACID	60-70	9003-01-4	Not Available
ACRYLATES COPOLYMER	10-20	25212-88-8	Not Available
HYDROXYPROPYL METHACRYLATE	20-30	27813-02-1	Not Available
HYDROXYCYCLOHEXYL PHENYL KETONE	1-10	947-19-3	Not Available
TRIMETHYLBENZOYL DIPHENYLPHOSPHINE OXIDE	1-3	75980-60-8	Not Available

## Section 3: Physical Data

<b>Physical State</b> Liquid	<b>Odour &amp; Appearance</b> Acid resin, transparent	<b>Specific pH</b> 6-7
<b>Boiling Point (°C)</b> Not Available	<b>Freezing Point (°C)</b> Not Available	<b>Vapour Density</b> 1.01-1.1

## Section 4: Fire & Explosion Data

<b>Flammability Conditions</b> Avoid heat, flames, sparks, store Temperature: 8 - 28°C	<b>Means of Extinguishing</b> foam fire extinguisher and dry- ice fire extinguishers	<b>Flashpoint (°C)</b> 105°C
<b>Autoignition Temperature (°C)</b> Not Available	<b>Explosivity - Impact</b> None	<b>Explosivity - Static Discharge</b> None
<b>NFPA</b> Not Available		

## Section 5: Reactivity Data

<b>Chemical Stability and Conditions</b> Stability affected by light & high temperature Store at 8 - 28°C	<b>Chemical Incompatibilities</b> Strong oxidizing agents, strong acids & alkaline
<b>Reactivities and Conditions</b> Not available	<b>Hazardous Decomposition Products</b> Oxides of carbon, sulfur, nitrogen, phosphorus, and other organic gas

## Section 6: Toxicological Properties

<b>Routes of Entry</b> Skin absorption, inhalation, ingestion
<b>Effects of Acute Exposure to Product</b> Not Available
<b>Effects of Chronic Exposure to Product</b> Excessive or repeated contact may irritate skin and/or eyes.

<b>Exposure Limits</b> low toxicity, LD50>3000mg/kg	<b>Irritancy</b> Main irritant is acrylic esters
<b>Sensitization</b> No	<b>Carcinogenicity</b> Yes
<b>Reproductive Toxicity</b> No	<b>Teratogenicity</b> No
<b>Mutagenicity</b> No	<b>Synergistic Products</b> No

Section 7: Preventative Measures

<b>Personal Protective Equipment</b> Yes
<b>PPE Types</b> Wear protective eyewear, clothing and gloves
<b>Engineering controls</b> Concentrations in air should be maintained below the lower explosive limit at all times. Make-up air should always be supplied to balance air exhausted. Electrical and mechanical equipment should be explosion-proof. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions.
<b>Leak and Spill Controls</b> Prevent from entering soil, ditches, sewers, waterways, and/or groundwater. Contain any spills by diking. Collect in suitable and properly labeled containers using absorbent materials and/or pumps. Apply vapour suppression foam until spill can be cleaned up Take precautionary measures against static discharge.
<b>Waste Disposal</b> Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with regional regulations.

### **Handling Procedures**

Flammable. Do not cut, drill, grind, weld or perform similar operations on or near containers. Vapours may accumulate and travel to distant ignition sources and flashback. Empty containers may contain hazardous product residues. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. Hot surfaces may be sufficient to ignite liquid even in the absence of sparks or flames. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapours are gone. Do not pressurize drum containers to empty them. Avoid breathing vapours and prolonged or repeated contact with skin. Launder contaminated clothing prior to reuse. Air-dry contaminated clothing in a well ventilated area before laundering. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge ( $\leq 1$  m/sec until pipe is submerged to twice its diameter, then  $\leq 7$  m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations. Extinguish any naked flames.

### **Storage Requirements**

Store in a cool, dry, well ventilated area, away from heat and ignition sources. Bulk storage tanks should be diked. Vapours from tanks should not be released to atmosphere. Use explosionproof ventilation to prevent vapour accumulation. Keep away from aerosols, flammables, oxidizing agents and corrosives. For containers or container linings use mild steel or stainless steel

### **Shipping Considerations**

None

## Section 8: First Aid Measures

### **Inhalation**

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention

### **Ingestion**

Do not induce vomiting. Guard against aspiration into lungs by having the individual turn onto their side. Do not give anything by mouth to an unconscious person. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

### **Skin Contact**

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

### **Eye Contact**

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and receive immediate medical attention.

## Section 9: MSDS Preparation Information

<b>SDS Prepared By</b> Fuzion Gel Ltd.	<b>Street Address</b> 10536 178 St. NW, Edmonton, AB, Canada
<b>Date SDS Prepared</b> May 2023	<b>Phone Number</b> 1 (844) 748-9324

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