

4D GEL (WHITE & BLACK)

SAFETY DATA SHEET (SDS)



Section 1: Product Identification

Product Identifier 4D Gel White, 4D Gel Black	Product Use Professional Use Only
Manufacturer's Name Fuzion Gel Ltd.	Street Address 10536 178 St. NW, Edmonton, AB, Canada
Date SDS Prepared January 19, 2022	Phone Number 1 (844) 748-9324

Section 2: Hazardous Ingredients

Hazardous Ingredient	%	CAS Number	LD ₅₀ of Ingredient
UV oligomer (polyurethane acrylate oligomer)	89	No record	Not available
HEMA (Hydroxyethyl Methacrylate Copolymer)	5	868-77-9	Not available
(1-Hydroxycyclohexyl) phenylmethanone (Hydroxycyclohexyl Phenyl Ketone)	2	947-19-3	Not available
Photoinitiator819 (Bis-Trimethylbenzoyl Phenylphosphine Oxide)	2	162881-26-7	Not available

Hazardous Ingredient	%	CAS Number	LD ₅₀ of Ingredient
(PIGMENTS) PW6		13463-67-7	Not Available
Pigment Red 101		1332-37-2	
Iron Blue		25869-00-5	
Pigment Green 18		12001-99-1	
Pigment Yellow 42		51274-00-1	
Lamp Black		1333-86-4	
PV16		10101-66-3	

Section 3: Physical Data

Physical State Liquid	Odour & Appearance Light, black or white colour	Specific pH N/A
Boiling Point (°C) N/A	Freezing Point (°C) N/A	Vapour Density No data

Section 4: Fire & Explosion Data

Flammability Conditions No	Means of Extinguishing Foam, dry chemical or carbon dioxide	Flashpoint (°C) 87°C
Autoignition Temperature (°C) Not Available	Explosivity - Impact None	Explosivity - Static Discharge None
NFPA		
Health: 1 Flammability: 2 Physical Hazard: 1		

Section 5: Reactivity Data

Chemical Stability and Conditions Stable under normal conditions of storage/use	Chemical Incompatibilities Strong acids, strong oxidizing agents, bases
Reactivities and Conditions Avoid extreme temperatures and/or ignition	Hazardous Decomposition Products Oxides of carbon, oxides of nitrogen, dimethylamine, irritating organic vapours

Section 6: Toxicological Properties

Routes of Entry Skin, inhalation, eyes	
Effects of Acute Exposure to Product Skin contact will cause irritation, eye contact will cause irritation	
Effects of Chronic Exposure to Product No Data	
Exposure Limits No Data	Irritancy Yes
Sensitization No Data	Carcinogenicity No
Reproductive Toxicity No Data	Teratogenicity No Data
Mutagenicity No Data	Synergistic Products No Data

Section 7: Preventative Measures

Personal Protective Equipment Use impermeable gloves & clothing to protect skin. Safety goggles or glasses with side shields.
Engineering controls 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.
Leak and Spill Controls 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.
Waste Disposal 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 (≤ 1 m/sec until pipe is submerged to twice its diameter, then ≤ 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/unrestricted

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: SDS Preparation Information

SDS Prepared By Fuzion Gel Ltd.	Street Address 10536 178 St. NW, Edmonton, AB, Canada
Date SDS Prepared January 19, 2022	Phone Number 1 (844) 748-9324

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