

NanoFlex Bonder

Safety Data Sheet (SDS)



Section 1: Product Identification

Product Identifier NanoFlex Bonder	Product Use Professional Use Only
Manufacturer's Name Fuzion Gel Ltd.	Street Address 10536 178 St. NW, Edmonton, AB, Canada
Date SDS Prepared August 10, 2022	Phone Number 1 (844) 748-9324

Section 2: Hazardous Ingredients

Hazardous Ingredient	%	CAS Number	LD ₅₀ of Ingredient
Dimethyl Ketone	60-100	67-64-1	Not Available
Polyurethane Acrylate Prepolymer	10-30	Not Available	Not Available
Polyurethane Esteracrylate Prepolymer	5-10	Not Available	Not Available
1-Hydroxycyclohexyl Phenyl Ketone	1-5	947-19-3	2800 mg/kg
Benzophenone	1-5	119-61-9	2895 mg/kg

Section 3: Physical Data

Physical State Liquid	Odour & Appearance Clear, pigmented liquid	Specific pH Not Available
Boiling Point (°C) Not Available	Freezing Point (°C) Not Available	Vapour Density <1

Section 4: Fire & Explosion Data

Flammability Conditions All	Means of Extinguishing Water, foam, CO ₂ , Dry Chemical	Flashpoint (°C) 2°C
Autoignition Temperature (°C) Not Available	Explosivity - Impact No	Explosivity - Static Discharge Yes
NFPA		
Health - 2, Flammability - 3, Reactivity - 1, Protective Equipment - B		

Section 5: Reactivity Data

Chemical Stability and Conditions Stable under ambient conditions	Chemical Incompatibilities Strong oxidizers, peroxides, acids, or alkalis
Reactivities and Conditions No	Hazardous Decomposition Products Vapours / toxic gases

Section 6: Toxicological Properties

Routes of Entry Skin Contact, Skin Absorption, Eye Contact, Inhalation, Ingestion	
Effects of Acute Exposure to Product Moderate irritation to eyes and skin near affected areas. Vapours may cause drowsiness.	
Effects of Chronic Exposure to Product Possible allergic reactions	
Exposure Limits Not available	Irritancy No
Sensitization No	Carcinogenicity No
Reproductive Toxicity No	Teratogenicity No
Mutagenicity No	Synergistic Products None

Section 7: Preventative Measures

Personal Protective Equipment Eye, Other
PPE Types Eyes : Wear protective eyewear (e.g., safety glasses with sideshield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. Other : When handling large quantities (e.g., · 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.
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. Airdry 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 it's 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 FLAMMABLE LIQUID - MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (IP VOL · 1.0 L) UN UN1263, PAINT, 3, II, LTD QTY (IP VOL · 1.0 L)

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 laundry 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 August 10, 2022	Phone Number 1 (844) 748-9324

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