



SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product code:	111144	Product name: Clean and Seal
Recommended use:	Maintenance	Restrictions on use or sale: None
Company Information:	JBF Enterprises, LLC 310 S Twin Oaks Valley Rd #107-301 San Marcos, CA 92078	
Company phone:	760 290-1157	
Emergency phone:	800-535-5053	

SECTION 2: HAZARD IDENTIFICATION

GHS CLASSIFICATION: Eye Irritation – Not Classified
 Skin Irritation – Not Classified
 Acute Toxicity – Not Classified
 Respiratory Sensitization – Classification Not Possible
 Skin Sensitization – Not Classified

GHS LABEL REQUIREMENTS: Symbol – None
 Signal Word - None
 Hazard Statement(s) – None
 Precautionary Statement(s) - None

OTHER HAZARDS: Hazardous decomposition products including hydrogen fluoride and other toxic fluorinated compounds may be formed at high temperatures and during combustion. Inhalation of these compounds may result in serious lung irritation. Excessive exposure could result in delayed pulmonary edema in some cases, and on very high exposure, damage to the liver and kidneys.

SECTION 3: INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	Wt%
Proprietary	Trade Secret	1-8
Water	7732-18-5	64.5-96.5
Fluoroalkyl methacrylate copolymer	Trade Secret	12-33
Emulsifiers	Trade Secret	
Tripropylene glycol	24800-44-0	1-5

SECTION 4. 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. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Alcohol foam, CO ₂ , dry chemical or water spray
PROTECTIVE EQUIPMENT:	Use NIOSH/MSHA approved SCBA and bunker gear. Evolution of acidic gases may require complete wash down of protective clothing prior to removal.
HAZARDOUS COMBUSTION PRODUCTS:	In case of fire or if processing at high temperatures, toxic gases including hydrofluoric acid, perfluoroisobutylene, and carbonyl fluoride may be formed.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Ensure cleanup is done only by trained personnel wearing appropriate personal protective equipment.
Ventilate area and cover with absorbent material.
Collect spilled material in a container and seal.
Spilled material is a slipping hazard.

SECTION 7. HANDLING & STORAGE

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 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.

STORAGE

Store material at -5 °C (23 °F) to 30 °C (86 °F).
Keep away from heat, steam, sunlight, sparks and open flame.
Store containers tightly closed when not in use.

SECTION 8. EXPOSURE CONTROLS & PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE LIMITS:	No exposure limits available for the product. Excessive exposure to thermal degradation products could result in delayed pulmonary edema in some cases, and on very high exposure, damage to the liver and kidneys. These substances may include: perfluoroisobutylene (TLV = 0.01 ppm Ceiling), carbonyl fluoride (TLV = 2 ppm TWA, 5 ppm STEL), hydrogen fluoride (TLV = 2 ppm Ceiling, 0.5 ppm TWA).
RESPIRATORY PROTECTION:	Use respirator suitable for protection when spraying this material. If material is heated above 200 °C, use a positive pressure air supplied respirator or SCBA.
EYE PROTECTION:	Safety glasses with side shields or goggles
PROTECTIVE CLOTHING:	Chemical resistant gloves and protective clothing should be worn when handling this material.
VENTILATION:	Use local exhaust ventilation if material is heated above 200 °C.
OTHER PROTECTIVE EQUIPMENT:	Eyewash station and safety shower.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Off white liquid
ODOR:	Citrus odor
ODOR THRESHOLD:	Not Available
pH:	2.0 - 5.0

MELTING POINT:	Not Applicable
FREEZING POINT:	Approximately 0 °C
BOILING POINT/RANGE:	Approximately 100 °C (water)
FLASH POINT:	> 200 °F (Closed Cup), > 209 °F (Open Cup)
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 1.1 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
VOC CONTENT:	< 89 g/L

SECTION 10. STABILITY & REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	Excessive heat, sparks, and open flame
INCOMPATIBILITIES:	May react with metals, such as sodium, magnesium, aluminum at elevated temperatures (above 425 °C); may react upon prolonged exposure to fluorine or in oxygen-fluorine mixtures at high temperatures and pressures. Contact with incompatible materials may result in fire or explosion.
HAZARDOUS POLYMERIZATION:	Should not occur
HAZARDOUS DECOMPOSITION:	Decomposition or by-products and toxic by-products including hydrofluoric acid, perfluoroisobutylene, and carbonyl fluoride may be formed at very high temperatures.

SECTION 11. TOXICOLOGICAL INFORMATION

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:	LD50: Oral, rat >2,000 mg/kg
SKIN CORROSION/IRRITATION:	Skin Irritation by Draize (rabbit): Non-irritating
SERIOUS EYE DAMAGE/IRRITATION:	Eye Irritation by Kay and Calandra (rabbit): Mildly irritating
RESPIRATORY OR SKIN SENSITIZATION:	Skin by Local Lymph Node Assay (mouse): Negative
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

BIODEGRADABILITY:	No data
BIOACCUMULATION:	No data

SECTION 13. DISPOSAL CONSIDERATIONS

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. **DO NOT INCINERATE** unless incinerator is capable of scrubbing hydrogen fluoride and other acidic combustion products.

SECTION 14. TRANSPORT INFORMATION

UN CLASSIFICATION:	Not applicable
DOT HAZARD DESCRIPTION:	Not applicable
CANADIAN TRANSPORTATION OF DANGEROUS GOODS (TDG):	Not applicable

SECTION 15. REGULATORY INFORMATION

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. The base polymer is subject to a consent order regarding a premanufacturing notice under Section 5(e) of TSCA. In addition, the base polymer is subject to export notification under Section 12(b) of TSCA.
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

We believe the information contained herein is accurate and current as of the date of this Safety Data Sheet. Nevertheless, the user must evaluate and determine whether the conditions for use and application of the product, including proper disposal thereof, are appropriate, safe and legal.

SDS Issued: 02/28/2023