

**SAFETY DATA SHEET (SDS)**
**Section 1. Identification**

<b>Product identifier</b>	CRACK FILLER EPOXY, Part A
<b>Other means of identification</b>	FF-CF-A
<b>Recommended use and restrictions on use</b>	Floor Coating
<b>Initial supplier identifier</b>	CHEMTEC 913 Michelin Laval Québec ( Canada) h7l-5b6 450-629-1717
<b>Emergency telephone number/restriction on use</b>	Canada – CANUTEC Number 24 hours 613-996-6666

**Section 2. Hazard Identification**
**Classification of hazardous product (name of the category or subcategory of the hazard class)**

Acute toxicity, oral and inhalation (Category 4)  
 Skin corrosion/irritation (Category 1A)  
 Skin sensitisation (Category 1B)  
 Serious eye damage/eye irritation (Category 1)  
 Specific target organ toxicity, single exposure; Respiratory track irritation (Category 3)  
 Reproductive toxicity (Category 2)  
 Hazardous to the aquatic environment, log-term hazard (Category 1)

**Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)**

**Warning**

H302 + H332 Harmful if swallowed or if inhaled  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction  
 H318 Causes serious eye damage  
 H335 May cause respiratory irritation  
 H361 Suspected of damaging fertility or the unborn child  
 H410 Very toxic to aquatic life with long lasting effects

**Prevention**

P260 + P261 Do not/avoid breath dust/fume/gas/mist/vapours/spry. P263 Avoid contact during pregnancy and while nursing. P264 Wash hands/nails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well ventilated area. P272 Contaminated work clothing should not be allowed out of workplace P273 Avoid release to the environment P280 Wear protective gloves/protective clothing/eye protection/ face protection

**Response**

IF SWALLOWED: P301 + P312 Immediately call a Poison Center/doctor if you feel unwell. P330 Rinse mouth.  
 IF ON SKIN: P303+P361+P353 If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water (or shower). P362 + P364 Take off contaminated clothing and wash it before reuse. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P312 Call a doctor if you feel unwell.  
 IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P337 + P313 If eye irritation persists: Get medical attention.  
 IF EXPOSED OR CONCERNED: P308 + P313 Get medical advice/attention  
 ENVIRONMENT P391 Collect spillage

**Storage**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Stored locked up

**Disposal**

P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**Other hazards known** | None

**Section 3. Composition/Information on Ingredients**

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Polymère en Bisphénol A / Epichlorohydrine	25068-38-6	> 60 %
Calcium carbonate	471-34-1	< 20 %
Stearine	67701-08-0	< 1 %
Synthetic Amorphous Silica (SAS)	7631-86-9	< 10 %
Titanium dioxide	13463-67-7	< 5 %

**Section 4. First-Aid Measures**

<b>Inhalation</b>	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration or give oxygen by trained personnel. If symptoms persist, seek medical attention.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
<b>Skin contact</b>	IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If symptoms persist, seek medical attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.
<b>Eye contact</b>	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Most important symptoms and effects (acute or delayed)</b>	Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if swallowed or if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause respiratory irritation
<b>Indication of immediate medical attention/special treatment</b>	In all cases, call a doctor. Do not forget this document.
<b>Section 5. Fire-Fighting Measures</b>	
<b>Specific hazards of the hazardous product (hazardous combustion products)</b>	
Smoke, fume, oxides of carbon.	
<b>Suitable and unsuitable extinguishing media</b>	
In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), dry chemical, water and alcohol resistant foam.	
<b>Special protective equipment and precautions for fire-fighters</b>	
During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required	
<b>Section 6. Accidental Release Measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	
Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8). Prevent the spill spread into drains, sewers, water supplies, or soil. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.	
<b>Methods and materials for containment and cleaning up</b>	
Avoid prolonged exposure. Stop leak if you can do it without risk. Spill should be contained with inert material and disposed into suitable retaining area. Do not touch or walk through spilled material. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Take precautionary measures against static discharges. Dispose of in accordance with local, provincial and federal regulations.	
<b>Section 7. Handling and Storage</b>	
<b>Precautions for safe handling</b>	
Do not/avoid breath dust/fume/gas/mist/vapours/spry. Avoid contact during pregnancy and while nursing. Wash hands/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Contaminated work clothing should not be allowed out of workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/ face protection.	
<b>Conditions for safe storage, including any incompatibilities</b>	
Store in a cool, well-ventilated area. Keep container closed when not in use. Do not handle or store near open flames, heat or other sources of ignition. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Storage temperature: 16 - 27 °C.	
<b>Section 8. Exposure controls/Personal Protection</b>	
<b>Control parameters (biological limit values or exposure limit values and source of those values)</b>	
Exposure limits: CAS 471-34-1 ACGIH – TLV-TWA 5 mg/m <sup>3</sup> (breathable fraction)	
<b>Appropriate engineering controls</b>	
Use product in well-ventilated areas. Do not spray the product. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.	
<b>Individual protection measures/personal protective equipment</b>	
Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Safety glasses, chemical resistant. Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe use and handling of this product. Follow all label instructions.	
<b>Section 9. Physical and Chemical Properties</b>	

<b>Appearance, physical state/colour</b>	Paste	<b>Vapour pressure</b>	Not available
<b>Odour</b>	Faint odor	<b>Vapour density</b>	Not available
<b>Odour threshold</b>	Not available	<b>Relative density</b>	Not available
<b>pH</b>	Not available	<b>Solubility</b>	Not soluble
<b>Melting/freezing point</b>	Not available	<b>Partition coefficient - n-octanol/water</b>	Not available
<b>Initial boiling point/range</b>	Not available	<b>Auto-ignition temperature</b>	Not available
<b>Flash point</b>	> 100 °C	<b>Decomposition temperature</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Viscosity</b>	Not available
<b>Flammability (solids and gases)</b>	Not available	<b>VOC</b>	Not available
<b>Upper and lower flammability/explosive limits</b>	Not available	<b>Other</b>	None known
<b>Section 10. Stability and Reactivity</b>			
<b>Reactivity</b>			
Stable under normal conditions.			
<b>Chemical stability</b>			
Yes, Stable under the recommended storage and handling conditions prescribed.			
<b>Possibility of hazardous reactions</b>			
Non under normal conditions of storage and use.			
<b>Conditions to avoid (static discharge, shock or vibration)</b>			
Excess heat.			
<b>Incompatible materials</b>			
Acids, bases, amines, oxidizing agents.			
<b>Hazardous decomposition products</b>			
Chlorine hydrogen, carbon oxides.			
<b>Section 11. Toxicological Information</b>			
<b>Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)</b>			
Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if swallowed or if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause respiratory irritation.			
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>			
No specific information available.			
<b>Delayed and immediate effects (chronic effects from short-term and long-term exposure)</b>			
Skin Sensitization – May cause allergic skin reaction. Skin disorders and Allergies. Respiratory Sensitization – No data available; Germ Cell Mutagenicity – Animal genetic toxicity studies were negative; Carcinogenicity – Not classified; Reproductive Toxicity Not classified; Specific Target Organ Toxicity — Single Exposure – Not classified; Specific Target Organ Toxicity — Repeated Exposure – Not classified; Aspiration Hazard – No information available; Health Hazards Not Otherwise Classified – No data available.			
<b>Numerical measures of toxicity (ATE; LD<sub>50</sub> &amp; LC<sub>50</sub>)</b>			
CAS 25068-38-6 LD <sub>50</sub> Oral - Rat - > 15,000 mg/kg; LD <sub>50</sub> Dermal – Rabbit – 23,000 mg/kg; LC <sub>50</sub> Inhalation – has not been determined; CAS 471-34-1 LD <sub>50</sub> Oral - Rat 6450 mg/kg; LD <sub>50</sub> Dermal Not available; LC <sub>50</sub> Inhalation Not available; ATE not available in this document.			
<b>Section 12. Ecological Information</b>			
<b>Ecotoxicity (aquatic and terrestrial information)</b>			
<b>Toxicity to fish</b> CAS: 25068-38-6 LC <sub>50</sub> : 1 – 10 mg/l (in the most sensitive species tested)/ LC <sub>50</sub> 2 mg/l (Oncorhynchus mykiss (rainbow trout), semi-static test, 96 Hour);			
<b>Toxicity to Aquatic Invertebrates</b> : CAS: 25068-38-6 EC <sub>50</sub> : 1.8 mg/l (Water flea (Daphnia magna) 48h);			
<b>Toxicity to Algae and Aquatic Plants</b> : CAS: 25068-38-6 EC <sub>50</sub> : 11 mg/l (Fresh water algae (Scenedesmus capricornutum) static test, 72h);			
<b>Toxicity to Bacteria</b> CAS: 25068-38-6 IC <sub>50</sub> : >42.6 mg/l, (Respiration rates, 18h).			
<b>Persistence and degradability</b> CAS: 25068-38-6 12%, Readily biodegradable.			
<b>Bioaccumulative potential</b> CAS: 25068-38-6 Bio-concentration potential is moderate.			
<b>Mobility in soil</b> CAS: 25068-38-6 Potential for mobility in soil is low.			
<b>Other adverse effects</b> Very toxic to aquatic life with long lasting effects.			
<b>Section 13. Disposal Considerations</b>			
<b>Information on safe handling for disposal/methods of disposal/contaminated packaging</b>			
Dispose of contents/container into safe container in accordance with local, regional or national regulations.			
<b>Section 14. Transport Information</b>			
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations</b>			
Not regulated.			
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)</b>			
Not regulated			
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)</b>			
Not regulated			
<b>Special precautions (transport/conveyance)</b> None			
<b>Environmental hazards (IMDG or other)</b> None			

<b>Bulk transport (usually more than 450 L in capacity)</b>	None
<b>Section 15. Regulatory Information</b>	
<b>Safety/health Canadian regulations specifics</b>	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
<b>Environmental Canadian regulations specifics</b>	Refer to Section 3 for ingredient(s) of the DSL
<b>Safety/health/environmental outside regulations specifics</b>	
United States OSHA information: This product is regulated according to OSHA (29 CFR).	
United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.	
United States TCSA information: Refer to the ingredients listed in Section 3.	
<b>Section 16. Other Information</b>	
<b>Date of the latest revision of the safety data sheet</b>	February 04, 2018 - version 1
<b>References</b>	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu
<b>Abbreviations</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System
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