

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

Product identifier	CHEM WATER PART A
Other means of identification	CHEM WATER A
Recommended use and restrictions on use	Coating
Initial supplier identifier	CHEMTEC; 4117 Industriel; Laval; Québec; Canada; info@epoxychemtec.com T 450-629-1717
Emergency telephone number/restriction on use	Canada – CANUTEC 24-hour number 613-996-6666

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)	Class D2B
Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)	Toxic material causing other toxic effects according to WHMIS 2015 P301+PP331 IF SWALLOWED: Do NOT induce vomiting. P312 Call a POISON CENTER /doctor if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. P361 Take off immediately all contaminated clothing. P312 Call a POISON CENTER /doctor if you feel unwell. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P314 Get medical advice/attention if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 Get medical advice/attention if you feel unwell. P403 Store in a well-ventilated place. 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 (%)
Oxirane, 2,2'-[(1-methylethylidene) bis (4,1-Phenyleneoxymethylene) bis-homopolymer	25085-99-8	45-55
Water	7732-18-5	40-50

* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) by weight (except for gases/propellants by volume) considered trade secret(s).

Section 4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a physician or poison center immediately.
Ingestion	IF SWALLOWED: Wash mouth with water. Do not induce vomiting unless directed by a physician. Never give anything by mouth if the victim is rapidly losing consciousness or is unconscious or convulsing. Call a physician or poison center immediately.
Skin contact	IF ON SKIN: Take off contaminated clothing. Flush with plenty of water for a minimum 15 minutes. Call a physician or poison center immediately. Wash contaminated clothing before reuse.
Eye contact	IF IN EYES: Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Most important symptoms and effects (acute or delayed)	Not expected to cause adverse acute health effects.
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)	Incomplete combustion can form CO and low molecular weight hydrocarbons, phenol, and water.
Suitable and unsuitable extinguishing media	In case of fire: Use water spray, dry chemical foam, carbon dioxide (CO ₂).
Special protective equipment and precautions for fire-fighters	Self-contained breathing apparatus and protective clothing.

Section 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures	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.
Methods and materials for containment and cleaning up	Soak up all liquid with absorbent material. Package absorbed material in steel containers which are leak proof. Dispose of in accordance with local, provincial, and federal regulations

Section 7. Handling and storage

Precautions for safe handling	Store in a cool and dry area. Keep container lid tightly closed after partial use or when storing. Avoid skin contact.
Conditions for safe storage, including any incompatibilities	Store in a cool, well-ventilated place. Keep cool. Store locked up. 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.

Section 8. Exposure controls/Personal protection**Control parameters (biological limit values or exposure limit values and source of those values)**

Exposure limits: ACGIH – TLV-TWA Not available.

Appropriate engineering controls

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.

Individual protection measures/personal protective equipment**Skin protection:** Gloves: Neoprene rubber, nitrile, impervious plastic.; Clothing: Shirts with long sleeves, long pants.**Respiratory:** Use a NIOSH approved respirators or equivalent if the exposure limits are unknown.**Eye protection:** Safety glasses or full-face shield.**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.**Section 9. Physical and chemical properties**

Appearance, physical state/colour	Liquid/White	Vapour pressure	Not available
Odour	Mild odour	Vapour density	Not available
Odour threshold	Not available	Relative density	1.07 g/cm ³
pH	Not available	Solubility	Not available
Melting/freezing point	Not available	Partition coefficient - n-octanol/water	Not available
Initial boiling point/range	Not available	Auto-ignition temperature	Not available
Flash point	Not available	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solids and gases)	Not flammable	VOC	Not available
Upper and lower flammability/explosive limits	Not available	Volatile by weight	45-65

Section 10. Stability and reactivity**Reactivity**

This product is stable under normal conditions of use, storage, and transport.

Chemical stability

Yes, Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions

Non under normal conditions of storage and use.

Conditions to avoid (static discharge, shock or vibration)

None known

Incompatible materials

Strong oxidizers agents, strong alkalis, strong mineral acids, amines.

Hazardous decomposition productsCarbon mono and dioxide. (CO) (CO₂)**Section 11. Toxicological information****Information on the likely routes of exposure (inhalation, ingestion, skin, and eye contact)**

Ingestion, skin contact, inhalation, eye contact.

Symptoms related to the physical, chemical, and toxicological characteristics

Can cause sensitization to the respiratory tract. Temporary irritation, corneal injury is unlikely.

Delayed and immediate effects (chronic effects from short-term and long-term exposure)

Skin Sensitization – Repeated exposure may cause irritation, dermatitis; Respiratory Sensitization – Irritation to the nose, throat and respiratory tract; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – No data available; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.

Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)CAS 25085-99-8 DL₅₀, Oral - Rat > 4000 mg/kg CAS 7732-18-5 DL₅₀, Oral – Rat 177 mg/kg**Section 12. Ecological information****Ecotoxicity (aquatic and terrestrial information)****Persistence and degradability** No data available**Bioaccumulative potential** No data available**Mobility in soil** Not to be expected**Other adverse effects** No data available**Section 13. Disposal considerations****Information on safe handling for disposal/methods of disposal/contaminated packaging**

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

Section 14. Transport information	
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations	
NOT REGULATED	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
NOT REGULATED	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
NOT REGULATED	
Special precautions (transport/conveyance)	May also be shipped as a LIMITED QUANTITY in accordance with TDG.
Environmental hazards (IMDG or other)	None
Bulk transport (usually more than 450 L in capacity)	None
Section 15. Regulatory information	
Safety/health Canadian regulations specifics	Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Environmental Canadian regulations specifics	Refer to Section 3 for ingredient(s) of the DSL
Safety/health/environmental outside regulations specifics	
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.	
Section 16. Other information	
Date of the latest revision of the safety data sheet	February 04, 2022 version 2
Corrections	Complete review
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	
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
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.	