PP-100SX B | **SAFETY DATA SHEET** (SDS)

SECTION 1 - IDENTIFICATION

Product identifier	PP-100SX B
Other means of identification	None
Recommended use and restrictions on use	Construction product / Refer to technical information
Initial supplier identifier	PUREPOXY 301, rue Omer-DeSerres #105, Blainville, Quebec, CANADA J7C 0K2 Phone – 438-492-4450
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)

Acute toxicity inhalation (Category 4)
Respiratory sensitization (category 1)
Skin irritation (category 1)
Specific target organ toxicity – Single exposure (Respiratory tract irritation - Category 3)

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

DANGER

H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray. **P271** Use only outdoors or in a well-ventilated area. **P272** Contaminated work clothing should not be allowed out of the workplace. **P280** Wear protective gloves/protective clothing/eye protection/face protection. **P304 + P340 + 312** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. **P342 + P311** If experiencing respiratory symptoms: Call a doctor. **P302 + P352** IF ON SKIN: wash with plenty of water. **P362 + P364** Take off contaminated clothing and wash it before reuse. **P333 + P313** IF SKIN irritation or rash occurs: Get medical attention. **P405** Store locked up. **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 (%)
Hexamethylene diisocyanate, oligomers	28182-81-2	≥90
hexamethylene-di-isocyanate	822-06-0	<1.0

All ingredients are listed according to OSHA (29 CFR).

* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

SECTION 4 - FIRST AID MEASURES

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a doctor if you feel unwell.
Skin contact	IF ON SKIN: wash with plenty of water (15-20 minutes). IF SKIN irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing.
Most important symptoms and effects (acute and delayed)	Causes severe skin, respiratory or digestive tract burns and eye damage.
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.

SECTION 5 - FIREFIGHTING MEASURES

Specific hazards of the hazardous product (hazardous combustion products)	Carbon oxides and other irritant/toxic gases and fumes.
Suitable and unsuitable extinguishing media	In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.
Special protective equipment and precautions for fire-fighters	During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Absorb spillage to prevent material-damage. Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).
Methods and materials for containment and cleaning up	Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	Wear protective gloves/ protective clothing/ eye protection/ face protection. Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/ spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.
Conditions for safe storage, including any incompatibilities	Store in a well-ventilated place. Keep container tightly closed. 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)	CAS 101-68-8 - OSHA PEL CLV 0.02PPM 0.2 MG/M3; ACGIH TLV TWA VALUE 0.005PPM CAS 26447-40-5 - NO EXPOSURE LIMITS NOTED FOR THE INGREDIENT(S)
Appropriate engineering controls	Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Individual protection measures/personal protective equipment	Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. 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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / color	Liquid, light yellow	**Vapour pressure**	Not available
Odour	Characteristic	**Vapour density**	Not available
Odour threshold	Not available	**Relative density**	1.17 (g/ml)
pH	Not available	**Solubility**	Not available
Melting point / Freezing point	Not available	**Partition coefficient of n-octanol/water**	Not available
Initial boiling point/ranges	> 100°F (>37.78°C)	**Auto-ignition temperature**	Not available
Flash point	316°F (157.78°C)	**Decomposition temperature**	Not available
Evaporation rate	Not available	**Viscosity**	Not available
Flammability (solid, gas)	Not available	**VOC**	Not available
Upper/Lower flammability or explosive limits	Not available	**Other**	None know

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid (static discharge, shock or vibration)	In a fire, hazardous decomposition products may be produced. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	Oxidizing materials; etc.
Hazardous decomposition products	Decomposition products may include the following materials: carbon monoxide, carbon-dioxide, smoke, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Adverse symptoms may include the following: respiratory tract irritation, coughing, wheezing and breathing difficulties, asthma.
Symptoms related to the physical, chemical and toxicological characteristics	Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing; Respiratory tract irritation, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches.
Delayed and immediate effects (chronic effects from short-term and long-term exposure)	Skin Sensitization – No data available; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No data available; 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; LD_{50} & LC_{50})	None;

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information)	No data available for this product
Persistence and degradability	No data available
Bioaccumulative potential	Low.
Mobility in soil	No data available.
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)**:** None known

Environmental hazards (IMDG or other)**:** None known

Bulk transport (usually more than 450L in capacity)**:** Possible

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 Bioaccumulative potential	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.
National Fire Protection Association (NFPA)	HEALTH: 2 FLAMMABILITY: 1 INSTABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3. HAZARD SCALE: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION 16 - OTHER INFORMATION

Date of the latest revision of the safety data sheet	Febuary 6, 2020 version 5
Corrections	SDS Template modifications
References	Safety Data Sheets from manufacturer/supplier
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.