

FLEXDECK MEMBRANE

Two-Component, Solvent Free Elastomeric Base Membrane



REVISION : 04/22/2022

PART A | SAFETY DATA SHEET (SDS)

SECTION 1 - IDENTIFICATION

Product identifier	FLEXDECK MEMBRANE, PART-A
Other means of identification	None
Recommended use and restrictions on use	Construction product / Refer to technical information
Initial supplier identifier	PUREPOXY 4400 A. Chomedey W. Laval, QC CANADA H7R 6E9 Tel: (450) 818-0626
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)	Skin Irritation - Category 3 Eye Irritation - Category 2A Respiratory Sensitizer (Solid/Liquid) - Category 1 Skin Sensitizer - Category 1 Carcinogenicity - Category 2 Acute aquatic toxicity - Category 3 Chronic aquatic toxicity - Category 3
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Information elements
(symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



H351 - Suspected of causing cancer.
H319 - Causes serious eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H316 - Causes mild skin irritation
H317 - May cause an allergic skin reaction
H402 - Harmful to aquatic life
H412 - Harmful to aquatic life with long lasting effects

P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P273 - Avoid release to the environment. P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P264 - Wash thoroughly after handling. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P284 - [In case of inadequate ventilation] wear respiratory protection. P272 - Contaminated work clothing should not be allowed out of the workplace. P308 + P313 - IF exposed or concerned: Get medical advice/attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice/attention. P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor. P332 + P313 - If skin irritation occurs: Get medical advice/attention. P302 + P352 - IF ON SKIN: Wash with plenty of water. P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention. P321 - Specific treatment (see section 4 on this SDS). P362 + P364 - Take off contaminated clothing. And wash it before reuse. P405 - Store locked up. P501 - Dispose of contents/ container to an approved waste disposal plant.

Other Hazards Known	None
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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS NUMBER or other	Concentration (%)
POLYURETHANE PREPOLYMER	53880-05-0	58 - 100
4-METHYL-1,3-DIOXOLAN-2-ONE	108-32-7	5 - 10
ISOPHORONE DIISOCYANATE	4098-71-9	< 2.5
TITANIUM DIOXIDE	13463-67-7	< 1.5

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 source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor. Eliminate all ignition sources if safe to do so.
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)	No data available.
Indication of immediate medical attention/special treatment	No data available.

SECTION 5 - FIREFIGHTING MEASURES

Specific hazards of the hazardous product (hazardous combustion products)	Vapors may accumulate and travel to ignition sources distant from the handling site; flash fire can occur. Excessive pressure or temperature may cause explosive rupture of containers. Water contamination will produce carbon dioxide. Do not reseal contaminated containers as pressure buildup may rupture them.
Suitable and unsuitable extinguishing media	Dry chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only. If water is used, use very large quantities of cold water. The reaction between water and hot isocyanate may be vigorous.
Fire-fighting Procedures	Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
Special protective equipment and precautions for fire-fighters	Wear NIOSH approved self-contained breathing apparatus in positive pressure mode with full-face piece. Boots, gloves (neoprene), goggles, and full protective clothing are also required. Care should always be exercised in dust/mist areas.

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. 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. 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: None known
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	White Viscous Liquid	Vapour Density	Heavier than air
Odour	Characteristic	Specific Gravity	1.03
Odour threshold	Not available	Density	8.61 lb/gal
pH	Not available	Solubility	Not available
Melting point / Freezing point	Not available	Partition coefficient of n-octanol/water	Not available
Low boiling point	300°F (149°C)	Auto-ignition temperature	Not available
Flash point	> 199.4°F (93°C)	Decomposition temperature	Not available
Evaporation rate	Slower than ether	Viscosity	Not available
Flammability (solid, gas)	Not available	VOC	0.00 lb/gal
Upper/Lower flammability or explosive limits	Not available	Other	Reacts with Water

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Does not react under the recommended storage and handling conditions prescribed.
Chemical Stability	Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions	Will not occur but aliphatic amine will cause irreversible polymerization with considerable heat build up.
Conditions to avoid (static discharge, shock or vibration)	Heat, high temperature, open flame, sparks, and moisture. Contact with incompatible materials in a closed system will cause buildup of pressure.
Incompatible materials	Oxidizing materials; etc.
Hazardous decomposition products	Combustion products: organic vapors and thermal decomposition fragments.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	Repeated skin contact may cause a persistent irritation or dermatitis. May also aggravate an existing skin condition. Causes skin irritation. Causes serious eye irritation. Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough. The effects of acute exposure may be delayed in onset up to 12-24 hours. Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The symptoms may include coughing, wheezing, shortness of breath and chest tightness. May cause an allergic skin reaction
Symptoms related to the physical, chemical and toxicological characteristics	Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing;
Delayed and immediate effects (chronic effects from short-term and long-term exposure)	Skin Sensitization – Possible; Respiratory Sensitization – Possible; Germ Cell Mutagenicity – No data available; Carcinogenicity – Suspected of causing cancer; Reproductive Toxicity – No data available; Specific Target Organ Toxicity – Single Exposure – No data available; Specific Target Organ Toxicity – Repeated Exposure – May cause damage to organs through prolonged or repeated exposure; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.
Numerical measures of toxicity (ATE; LD ₅₀ & LC ₅₀)	CAS 4098-71-9 LC ₅₀ (rat): 123-160 mg/m ³ (13.6-17.6 ppm) (4-hour exposure) (aerosol) (1,2); LD50 (oral, male rat): greater than 2,500 mg/kg (1) LD ₅₀ (oral, male mouse): greater than 2,500 mg/kg (1) LD ₅₀ (dermal, male rat): approx. 1,000 mg/kg (4-hour exposure); approx. 500 mg/kg (4-day exposure) (1) ATE not available in this document.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information)	Harmful to aquatic life. Harmful to aquatic life with long lasting effects
Persistence and degradability	No data available
Bioaccumulative potential	No data available
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): May also be shipped as a LIMITED QUANTITY in accordance with TDG.

Environmental hazards (IMDG or other): Marine Pollutant

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: 1 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	April 25, 2022 version 2
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.