

PP-S85 B | SAFETY DATA SHEET (SDS)

SECTION 1 - IDENTIFICATION

Product identifier	PP-S85 - Part 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

GHS Classification Scale 1 = Severe Hazard; 4 = Slight Hazard

Prepared according to Global Harmonized System (GHS) standards

GHS Ratings:

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Inhalation Toxicity	4	Gases >2500 and ≤ 20000 ppm, Vapors >10 and ≤ 20 mg/l, Dust&mists >1 and ≤ 5 mg/l
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: ≥ 1.5 <2.3
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects - Respiratory tract irritation

GHS Hazards

H226	Flammable liquid and vapour
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking!
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical, ventilating, lighting equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge

GHS Precautions Continued

P201	Obtain special instructions before use
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P241	Use explosion-proof electrical, ventilating, lighting equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
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
P281	Use personal protective equipment as required
P285	In case of inadequate ventilation wear respiratory protection
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see first aid section on this label/SDS)
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off all contaminated clothing immediately. Rinse skin thoroughly with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P342+P311	Call a POISON CENTER or doctor/physician
P370+P378	In case of fire: Use dry chemical/CO2/foam for extinction
P405	Store locked up
P403+P233	Store in a well ventilated area. Keep container tightly closed.
P403+P235	Store in a well ventilated area. Keep cool
P501	Dispose of contents/container to an approved waste disposal facility

Information elements

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



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS NUMBER or other	Concentration (%)
Hexamethylene diisocyanate homopolymer	28182-81-2	60 - 70%
Solvent naphtha, petroleum, light aromatic	64742-95-6	10 - 20%
Benzene, 1,2,4-trimethyl-	95-63-6	5 - 10%
Dimethyl adipate	627-93-0	1 - 5%
Dimethyl succinate	106-65-0	1 - 5%
Cumene	98-82-8	0.10 - 1%
Hexamethylene diisocyanate	822-06-0	0 - 0.10%

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	Move affected person to fresh air. If breathing has stopped, administer CPR. If the person vomits, clean the airway and turn their head to the side to prevent choking. If the person is unconscious but breathing, place them stably on their left side in the recovery position. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Ingestion	Rinse mouth with water to remove any residual chemical. If the person vomits, clean their airway and turn their head to the side to prevent choking. DO NOT induce vomiting and DO NOT give them anything to drink unless directed to do so by a physician. If the person is unconscious but breathing, place them stably on their left side in recovery position. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin contact	Remove any contaminated clothing using appropriate gloves. Rinse skin thoroughly for 15 minutes in a shower or with a hose. Seek immediate medical attention.
Eye contact	Flush eyes gently with clean water for at least 15 minutes. If irritation persists, seek immediate medical attention.

SECTION 5 - FIREFIGHTING MEASURES

Specific hazards during firefighting	Prevent firefighting run-off from entering drains or sewers.
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. Any closed container may rupture when exposed to extreme heat. Use a water spray to cool sealed containers. Solvent vapors are heavier than air and can travel along the ground.
Flash Point	42°C (108°F)
LEL	N/A
UEL	N/A

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.

In case of road spill or accident contact INFOTRAC (1-800-535-5053)

CAUTION: If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will also be regulated.

Do not empty into drains. All disposal must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	<p>Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>Open containers carefully and in a well ventilated area, and use appropriate respiratory protection. Wash hands thoroughly after handling. Keep containers closed when not in use. Do not transfer to unmarked containers. Empty containers contain product residue which may exhibit hazardous properties therefore, do not pressurize, cut, glaze, weld or use for any other purpose. Return drums to reclamation center for proper cleaning and reuse.</p>
Conditions for safe storage, including any incompatibilities	<p>Store in a cool, dry, well ventilated area. Keep containers tightly closed and store away from heat, sparks, open flame or oxidizing materials. Extended storage at excessive temperatures may produce odorous and toxic fumes from product decomposition.</p>

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters (biological limit values or exposure limit values and source of those values)	<p>Exposure limits: None;</p>
Appropriate engineering controls	<p>Avoid creating dust or mist. Local exhaust ventilation, process enclosures, or other engineering controls are required when handling or using this product to avoid over exposure. Use explosion-proof ventilation equipment. Do not use in closed or confined spaces. Keep all levels below exposure limits. Perform regular monitoring to ensure exposure limits are not exceeded.</p>
Personal Protective Equipment (PPE)	<p>Respiratory Protection - Do not breathe vapors. When concentrations exceed the established limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA) until vapors are exhausted. Observe OSHA standard 29 CFR 1910.134 and ANSI Z88.2 requirements whenever workplace conditions require a respirators use.</p> <p>Hand Protection - Wear appropriate protective gloves and clothing to prevent skin exposure. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product.</p> <p>Eye Protection - Use safety eyewear with splash guards or side shields. Use additional eye protection such as chemical safety goggles when the possibility for eye contact from splashing, spraying liquid, or airborne material exists.</p> <p>Skin Protection - Avoid contact with this product. Wear appropriate protective gloves and clothing to prevent skin exposure. Use proper glove and clothing removal techniques to avoid skin contact with this product. When handling large quantities, eye wash stations and deluge showers should be available.</p>

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / color	Liquid Dispersion	Vapour pressure	Not available
Odour	Mild Solvent	Vapour density	Not available
Physical State	Liquid	Specific Gravity (SG)	0.980
pH	Not available	Solubility	Not available
Melting point / Freezing point	Not available	Partition coefficient of n-octanol/water	Not available
Initial boiling point/ranges	94 - 195°C	Auto-ignition temperature	Not available
Flash point	42°C, 108°F	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solid, gas)	Not available	Lbs VOC/Gallon Less Water	2.45
Upper/Lower flammability or explosive limits	Not available	g VOC/L Less Water	293.37

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	None known
Conditions to avoid (static discharge, shock or vibration)	None known
Incompatible materials	Strong acids, strong bases, oxidizing agents
Hazardous decomposition products	Carbon Dioxide (CO ₂), Carbon Monoxide (CO), Oxides of Nitrogen (NO _x), dense black smoke Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause damage to the following organs: blood, eyes, kidneys, liver, lungs, central nervous system, skin, cardiovascular system, respiratory system.

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 – Possible; Respiratory Sensitization – Possible; 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 – Possible; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.

Mixture Toxicity

Inhalation Toxicity LC50: 1mg/L

*Note - Toxicological studies have not been performed on this mixture. The toxicological data listed is compiled using data from the components of the mixture. Refer to Section 2 of this SDS for GHS classification of acute and chronic effects of exposure.

Carcinogenicity

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing) or ACGIH (optional listing)

CAS Number	Description	% Weight	Carcinogen Rating
64742-95-6	Solvent naphtha, petroleum, light aromatic	10 - 20%	EU Reach: Present (P)
98-82-8	Cumene	0.1 - 1%	IARC: Possible human carcinogen OSHA: listed

Numerical measures of toxicity (ATE; None;

LD₅₀ & LC₅₀)

SECTION 12 - ECOLOGICAL INFORMATION

Component Ecotoxicity

Solvent naphtha, petroleum, light aromatic	96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L 48 Hr EC50 Daphnia magna: 6.14 mg/L
Benzene, 1,2,4-trimethyl-	96 Hr LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 6.14 mg/L
Dimethyl succinate	96 Hr LC50 Brachydanio rerio: 50-100 mg/L [static]
Cumene	96 Hr LC50 Pimephales promelas: 6.04 - 6.61 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 5.1 mg/L [semi-static] 48 Hr EC50 Daphnia magna: 0.6 mg/L; 48 Hr EC50 Daphnia magna: 7.9-14.1 mg/L [Static] 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 mg/L

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. Do not discharge product into sewer system. Dispose of in a licensed facility. Waste management should be in full compliance with federal, state, and local laws.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268, and 270. Chemical additions, processing, or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate.

SECTION 14 - TRANSPORT INFORMATION

This material is classified for transport as follows:

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
U.S. DOT	Paint	1263	III	3



SECTION 15 - REGULATORY INFORMATION

State of California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

WARNING! This product contains the following substance(s) which are listed by the State of California as carcinogenic, or a reproductive toxin:

98-82-8 Cumene Carcinogen

Clean Air Act, Section 112, Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substance(s) which are listed as hazardous air pollutants (HAPs) per the Clean Air Act:

98-82-8 Cumene

Massachusetts Right To Know

This product contains the following toxic or hazardous substance(s) which appear on the Massachusetts Substance List:

95-63-6 Benzene, 1,2,4-trimethyl-

98-82-8 Cumene

New Jersey Worker and Community Right to Know Hazardous Substance List

The following substance(s) appear on the New Jersey Right to Know Hazardous Substance List:

95-63-6 Benzene, 1,2,4-trimethyl-

98-82-8 Cumene

Commonwealth of Pennsylvania Worker and Community Right To Know Act

This product contains the following substance(s) which appear on the Pennsylvania Hazardous Substance List:

95-63-6 Benzene, 1,2,4-trimethyl-

98-82-8 Cumene

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40, of the Code of Federal Regulations, part 372:

95-63-6 Benzene, 1,2,4-trimethyl-

98-82-8 Cumene

Canadian DSL

All substances in this product except those listed below are listed or exempt from reporting:

28182-81-2 Hexamethylene diisocyanate homopolymer

64742-95-6 Solvent naphtha, petroleum, light aromatic

95-63-6 Benzene, 1,2,4-trimethyl-

1119-40-0 Pentanedioic acid, 1,5-dimethyl ester

627-93-0 Dimethyl adipate

106-65-0 Dimethyl succinate

98-82-8 Cumene

Country	Regulation	All Components Listed
Canada	Canadian NDSL	No
Australian	Australian Inventory of Chemical Substances	Yes
Japan	Existing and New Chemical Substances	Yes
China	Inventory of Existing Chemical Substances Produced	Yes
New Zealand	Inventory of Chemicals	Yes
Philippines	Philippine Inventory of Chemicals and Chemicals	Yes
	Reach PBT/vPvB	No

TSCA Substance Control Act (TSCA)

All substances except those listed below appear in the Toxic Substances Control Act, Chemical Substance Inventory: None

SECTION 16 - OTHER INFORMATION

Disclaimer: The Volatile Organic Compound (VOC) content reported herein, if any, is based on a material VOC calculation. Several methods are used for the calculation of VOC content, and the standards and requirements regarding VOC content vary by location and jurisdiction.

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