

PP-S85 A | SAFETY DATA SHEET (SDS)

SECTION 1 - IDENTIFICATION

Product identifier	PP-S85 - Part A
Other means of identification	None
Recommended use and restrictions on use	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:

Skin sensitizer	1	Skin sensitizer
Reproductive toxin	2	Human or animal evidence possibly with other information
Organ toxin single exposure	3	Transient target organ effects - Narcotic effects - Respiratory tract irritation

GHS Hazards

H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
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
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see first aid section)
P363	Wash contaminated clothing before reuse
P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P308 + P313	IF exposed or concerned: Seek medical advice/attention
P333 + P313	If skin irritation or a rash occurs: Seek medical advice/attention
P405	Store locked up
P403 + P233	Store in a well ventilated area. Keep container tightly closed.
P501	Dispose of contents/container to an approved waster disposal facility

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS NUMBER or other	Concentration (%)
DL - Aspartic acid, N, N'-(methylenedi-4, 1-cyclohexanediyl) bistetraethyl ester	136210-30-5	60 - 70%
Aspartic acid, N, N' - [methylenebis (2-methyl-4, 1-cyclohexanediyl)]bis-,	136210-32-7	20 - 30%
Solvent naphtha, petroleum, light aromatic	64742-95-6	1 - 5%

* 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.

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	<p>Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>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.</p>
Conditions for safe storage, including any incompatibilities	<p>Store in a cool, dry, and 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.</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	Vapour density	Not available
Physical State	Liquid	Specific Gravity (SG)	1.055
pH	Not available	Solubility	Not available
Melting point / Freezing point	Not available	Partition coefficient of n-octanol/water	Not available
Initial boiling point/ranges	Not available	Auto-ignition temperature	Not available
Flash point	N/D	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solid, gas)	Not available	Lbs VOC/Gallon Less Water	0.21
Upper/Lower flammability or explosive limits	Not available	g VOC/L Less Water	25.65

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

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.								
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	<p>Inhalation Toxicity LC50: 46mg/L</p> <p>*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.</p>								
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)								
<table><tr><th>CAS Number</th><th>Description</th><th>% Weight</th><th>Carcinogen Rating</th></tr><tr><td>64742-95-6</td><td>Solvent naphtha, petroluem, light aromatic</td><td>1% - 5%</td><td>EU Reach: Present (P)</td></tr></table>		CAS Number	Description	% Weight	Carcinogen Rating	64742-95-6	Solvent naphtha, petroluem, light aromatic	1% - 5%	EU Reach: Present (P)
CAS Number	Description	% Weight	Carcinogen Rating						
64742-95-6	Solvent naphtha, petroluem, light aromatic	1% - 5%	EU Reach: Present (P)						
Numerical measures of toxicity (ATE; LD ₅₀ & LC ₅₀)	None;								

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information)	Solvent naphtha, petroleum, light, aromatic 96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L 48 Hr EC50 Daphnia magna: 6.14 mg/L
Mobility in Soil	No data available
Bioaccumulative potential	No data available
Mobility in soil	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

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	United States OSHA information: This product is regulated according to OSHA (29 CFR).
Bioaccumulative potential	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

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

108-88-3 Toluene 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:

- None

Massachusetts Right To Know

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

- None

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:

- None

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:

- None

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:

- None

Canadian DSL

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

136210-30-5 DL-Aspartic acid, N, N'-(methylenedi-4, 1-cyclohexanediyl)bis-, tetraethyl ester

136210-32-7 Aspartic acid, N, N'-(methylenedi-4, 1-cyclohexanediyl)bis-, tetraethyl ester

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

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

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

Date of the latest revision of the safety data sheet November 1, 2023

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.

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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