

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

1.1. Product identifier

Trade name POLY-90 Part A
Product no. Poly-90A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture None known.
Restricted to professional and industrial use.
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company and address **APN Performance Coatings**
4400 A. Chomedey O
H7R 6E9 Laval, QC
Canada
+1(450)-818-0626
<https://purepoxy.com>
Contact person Mickael Blais Roberge
E-mail mblaisroberge@apnonweiler.com
SDS date 2026-06-19
SDS Version 1.0

1.4. Emergency telephone number

24-Hour Emergency Telephone Number Canada (CANUTEC): (613) 996-6666

SECTION 2: HAZARD(S) IDENTIFICATION

Classified as hazardous according to Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272).

2.1. Classification of the substance or mixture

Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Skin Sens. 1; H317, May cause an allergic skin reaction.
Muta. 1B; H340, May cause genetic defects.
Carc. 1B; H350, May cause cancer.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

May be fatal if swallowed and enters airways. (H304)
May cause an allergic skin reaction. (H317)
May cause genetic defects. (H340)
May cause cancer. (H350)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary statement(s)

General

Not applicable.

Prevention

Obtain special instructions before use. (P201)
Avoid breathing mist/vapour. (P261)
Contaminated work clothing should not be allowed out of the workplace. (P272)
Avoid release to the environment. (P273)

Response

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)

IF exposed or concerned: Get medical advice/attention. (P308+P313)

Do NOT induce vomiting. (P331)

If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

Take off contaminated clothing and wash it before reuse. (P362+P364)

Storage

Not applicable.

Disposal

Dispose of contents/container in accordance with local regulation. (P501)

Hazardous substances

tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate
bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane
Solvent naphtha (petroleum), light arom.;Low boiling point naphtha - unspecified
Cumene

Additional labelling

Restricted to professional users.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Chemical name	Common name/synonyms	Identifiers	% w/w	Classification	Note
tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate		CAS No.: 136210-30-5	40-60%	Skin Sens. 1, H317	
bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane		CAS No.: 136210-32-7	25-40%	Skin Sens. 1, H317	
Solvent naphtha (petroleum), light arom.;Low boiling point naphtha - unspecified		CAS No.: 64742-95-6	10-15%	Asp. Tox. 1, H304 Muta. 1B, H340 Carc. 1B, H350	[19]
1,2,4-trimethylbenzene		CAS No.: 95-63-6	5-10%	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Chronic 2, H411	
Cumene		CAS No.: 98-82-8	<1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 Carc. 1B, H350 Aquatic Chronic 2, H411	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Burns

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO_x)

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact a poison centre in order to obtain further advice. See section 1 "Emergency telephone number".

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Store locked up. A sign warning of toxic materials shall be affixed the room and cupboard containing the product(s).

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material Always store in containers of the same material as the original container.

Storage conditions No specific requirements.

Incompatible materials Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

ALBERTA

m-xylene;xylene;o-xylene;p-xylene

Long term exposure limit (8 hours) (ppm): 100

Long term exposure limit (8 hours) (mg/m³): 434

Short term exposure limit (15 minutes) (ppm): 150

Short term exposure limit (15 minutes) (mg/m³): 651

Cumene

Long term exposure limit (8 hours) (ppm): 50

Long term exposure limit (8 hours) (mg/m³): 246

ethylbenzene

Long term exposure limit (8 hours) (ppm): 100

Long term exposure limit (8 hours) (mg/m³): 434

Short term exposure limit (15 minutes) (ppm): 125

Short term exposure limit (15 minutes) (mg/m³): 543

Occupational Health and Safety Code 2009 Order, Alta Reg 87/2009 (revised in 2018)

BRITISH COLUMBIA

m-xylene;xylene;o-xylene;p-xylene

Time-Weighted Average Limit (TWA): 100 ppm

Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 150 ppm

Cumene

Time-Weighted Average Limit (TWA): 25 ppm

Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 75 ppm

ethylbenzene

Time-Weighted Average Limit (TWA): 20 ppm

OHS Regulation Part 5: Chemical Agents and Biological Agents.

ONTARIO

m-xylene;xylene;o-xylene;p-xylene

Time-Weighted Average Limit (TWA): 100 ppm

Short-Term Exposure Limit (STEL) / Ceiling Limit (C): 150 ppm

Cumene

Time-Weighted Average Limit (TWA): 50 ppm

ethylbenzene

Time-Weighted Average Limit (TWA): 20 ppm

Regulation 833 (Control of Exposure to Biological or Chemical Agents) and Ontario Regulation 490/09 (Designated Substances)

QUEBEC

m-xylene;xylene;o-xylene;p-xylene

Long term exposure limit (8 hours) (ppm): 100

Long term exposure limit (8 hours) (mg/m³): 434**Cumene**

Long term exposure limit (8 hours) (ppm): 50

Long term exposure limit (8 hours) (mg/m³): 246**ethylbenzene**

Long term exposure limit (8 hours) (ppm): 20

Annotations:

Note 3 = Where the use of these products is permitted.

Regulation respecting occupational health and safety (Chapter S-2.1, r. 13)

SASKATCHEWAN

m-xylene;xylene;o-xylene;p-xylene

Long term exposure limit (8 hours) (ppm): 100

Short term exposure limit (15 minutes) (ppm): 150

Cumene

Long term exposure limit (8 hours) (ppm): 50

Short term exposure limit (15 minutes) (ppm): 74

ethylbenzene

Long term exposure limit (8 hours) (ppm): 100

Short term exposure limit (15 minutes) (ppm): 125

Annotations:

T20 = Substance is also included in Table 20 of The Occupational Health and Safety Regulations and subject to Sections 306 and 311

The Occupational Health and Safety Regulations, 2020, Chapter S15.1 Reg 10.

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Do not recirculate outlet air that contain the substances.

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Hygiene measures	Apply standard precautions during use of the product. Avoid inhalation of vapours.
Measures to avoid environmental exposure	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face. Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally	No specific requirements.
Respiratory Equipment	No specific requirements.
Skin protection	No specific requirements.
Hand protection	No specific requirements.
Eye protection	No specific requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Light Yellow
Odour	Mild
Odour threshold (ppm)	No data available
pH	No data available
Density (g/cm³)	1.01
Kinematic viscosity	No data available.
Dynamic viscosity	70 centiPoise
Particle characteristics	Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C)	No data available
Softening point/range (°F)	Does not apply to liquids.
Boiling point (°C)	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Decomposition temperature (°C)	No data available

Data on fire and explosion hazards

Flash point (°C)	No data available
Flammability (°C)	No data available
Auto-ignition temperature (°C)	No data available
Explosion limits (% v/v)	No data available

Solubility

Solubility in water	No data available
n-octanol/water coefficient (LogKow)	No data available.
Solubility in fat (g/L)	No data available

9.2. Other information

Evaporation rate (n-butylacetate = 100) No data available

Other physical and chemical parameters VOC <40 g/L

Oxidizing properties No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.

Other information

m-xylene;xylene;o-xylene;p-xylene has been classified by IARC as a group 3.

Cumene has been classified by IARC as a group 2B.
ethylbenzene has been classified by IARC as a group 2B.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

m-xylene;xylene;o-xylene;p-xylene is listed with EPA Hazardous Waste Number: U239

Cumene is listed with EPA Hazardous Waste Number: U055

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
TDG	UN2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C7 	III	No	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C7 	III	No	Limited quantities: 5 L EmS: F-A S-B See below for additional information.
IATA	UN2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S.	Transport hazard class: 8 Label: 8 Classification code: C7 	III	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

TDG / See Schedule 1 for any information on special provisions, requirements, or warnings in connection with transport. See part 3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Canadian lists

NDSL

None of the components are listed

DSL

tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-dl-aspartate
bis(4-(1,2-bis(ethoxycarbonyl)ethylamino)-3-methylcyclohexyl)methane
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified
1,2,4-trimethylbenzene
m-xylene; xylene; o-xylene; p-xylene
Cumene
ethylbenzene

15.4. Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

15.5. Demands for specific education

No specific requirements.

Additional information

Not applicable.

15.7. Chemical safety assessment

No

Sources

Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H335, May cause respiratory irritation.

H340, May cause genetic defects.

H350, May cause cancer.

H411, Toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ANSI = American National Standards Institute

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

DSL = Domestic Substances List

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HHNOC = Health Hazards Not Otherwise Classified

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogKow = logarithm of the n-octanol/water coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NDSL = Non-domestic substances list

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PHNOC = Physical Hazards Not Otherwise Classified

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

SCL = A specific concentration limit.

SOR = Statutory Orders and Regulations

STEL = Short-term exposure limits

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TDG = Transportation of Dangerous Goods

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

WHIMS = Workplace Hazardous Materials Information System

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by WHMIS 2022

The safety data sheet is validated by

Hermann Wentz

SDS date

2026-06-19

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: CA-en