

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.23.2020

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Express Part A

SECTION 1: Identification

Product identifier

Product name: Express Part A

Recommended use of the product and restriction on use

Relevant identified uses: Finishes, Coatings and Related Materials

Uses advised against: For Professional Use Only

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

Poloplaz

1 Paradise Park Road

Jacksonville, AR 72076

501-985-1172

www.poloplaz.com

Emergency telephone number:

United States

Infotrac

1-800-535-5053 (24/7)

SECTION 2: Hazard(s) identification

GHS classification:

Reproductive toxicity, category 1B

Specific target organ toxicity - single exposure, category 3, respiratory tract irritation

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H360 May damage fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

H335 May cause respiratory irritation

Precautionary statements:

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

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P271 Use only outdoors or in a well-ventilated area

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

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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P312 Call a POISON CENTER/doctor/.../if you feel unwell

P405 Store locked up

P403+P233 Store in a well-ventilated place. Keep container tightly closed

P501 Dispose of contents/container to...

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 872-50-4	1-methyl-2-pyrrolidone	4-6
CAS number: 34590-94-8	(2-Methoxymethylethoxy)propanol	1-3
CAS number: 29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	1-3

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Inhalation may have adverse effects on the respiratory tract. Symptoms may include cough, breathing difficulties, sore throat and inflammation of the mucous membrane lining the respiratory tract.

Delayed symptoms and effects:

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Long term exposure may affect fertility. Symptoms include, but are not limited to: menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

Immediate medical attention and special treatment

Specific treatment:

If respiratory symptoms persist, seek medical attention.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable extinguishing media:

Do not use water jet.

Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA with a full-face piece operated in positive pressure mode).

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb material and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

Environmental precautions:

Avoid discharge into drains, water courses or onto the ground. Prevent further leakage if safe to do so. Inform authorities if spill cannot be contained.

Keep material out of lakes, streams, ponds, and sewer drains.

Methods and material for containment and cleaning up:

Vacuum or sweep up material and place into a suitable disposal container. Wear a self-contained breathing apparatus and appropriate personal protection. Provide ventilation.

Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb material and

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add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

Reference to other sections:

For further information refer to section 7 and section 13.

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Store in cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials. Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
WEEL	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 10 ppm
	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 40 mg/m ³
ACGIH	(2-Methoxymethylethoxy)propanol	34590-94-8	8-Hour TWA: 100 ppm
	(2-Methoxymethylethoxy)propanol	34590-94-8	15-Minute STEL: 150 ppm
NIOSH	(2-Methoxymethylethoxy)propanol	34590-94-8	REL: 100 ppm
	(2-Methoxymethylethoxy)propanol	34590-94-8	REL: 600 mg/m ³
	(2-Methoxymethylethoxy)propanol	34590-94-8	STEL: 150 ppm
	(2-Methoxymethylethoxy)propanol	34590-94-8	STEL: 900 mg/m ³
	(2-Methoxymethylethoxy)propanol	34590-94-8	IDLH: 600 ppm
OSHA	(2-Methoxymethylethoxy)propanol	34590-94-8	TWA: 100 ppm
	(2-Methoxymethylethoxy)propanol	34590-94-8	TWA: 600 mg/m ³
	(2-Methoxymethylethoxy)propanol	34590-94-8	STEL: 150 ppm
	(2-Methoxymethylethoxy)propanol	34590-94-8	STEL: 900 mg/m ³
United States(California)	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 1 ppm
	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 4 mg/m ³

Biological limit values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
ACGIH	1-methyl-2-pyrrolidone	872-50-4	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	End of shift	100 mg/L

Information on monitoring procedures:

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Not determined or not applicable.

Appropriate engineering controls:

Effective ventilation in all processing areas.

Personal protection equipment

Eye and face protection:

Safety glasses
Safety goggles or safety glasses with side shields

Skin and body protection:

Impervious clothing, Chemical resistant gloves
Chemical resistant clothing, chemical resistant gloves

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

General hygienic measures:

Handle in accordance with good industrial hygiene and safety measures. Wash hands and face after handling chemical products. Wash hands before eating, drinking and smoking. Wash hands at the end of the workday.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	whitish liquid
Odor	mild amine
Odor threshold	NA
pH	7.5-9
Melting point/freezing point	NA
Initial boiling point/range	> 93C
Flash point (closed cup)	> 93C
Evaporation rate	NA
Flammability (solid, gas)	NA
Upper flammability/explosive limit	NA
Lower flammability/explosive limit	NA
Vapor pressure	NA
Vapor density	NA
Density	1.04
Relative density	NA
Solubilities	dispersible in water
Partition coefficient (n-octanol/water)	NA
Auto/Self-ignition temperature	NA
Decomposition temperature	NA
Dynamic viscosity	NA
Kinematic viscosity	NA
Explosive properties	NA
Oxidizing properties	NA

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Other information

VOC g/l less water	< 275 g/l less water (A + B)
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SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal storage and handling conditions.

Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid:

Incompatible materials.

Incompatible materials:

Strong oxidizing agents.

Hazardous decomposition products:

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

SECTION 11: Toxicological information

Acute toxicity

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

Product data: No data available.

Substance data:

Name	Route	Result
1-methyl-2-pyrrolidone	oral	LD50 Rat: 4150 mg/kg
	inhalation	LC50 Rat: >5.1 mg/L (4 hours)
	dermal	LD50 Rat: >5000 mg/kg
1-(2-butoxy-1-methylethoxy)propan-2-ol	dermal	LD50 Rat: >2000 mg/kg
	oral	LD50 Rat: 3700 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	Causes skin irritation.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	Causes serious eye irritation.

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Respiratory or skin sensitization

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

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

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

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

OSHA Carcinogens: Not applicable

Germ cell mutagenicity

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

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment:

May damage fertility or the unborn child.

Product data:

No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	May damage fertility or the unborn child (developmental effects).

Specific target organ toxicity (single exposure)

Assessment:

May cause respiratory irritation.

Product data:

No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

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

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

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

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

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No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	LC50 Oncorhynchus mykiss: 500 mg/L (96 hours)
1-(2-butoxy-1-methylethoxy)propan-2-ol	LC50 Poecilia reticulata: 841 mg/L (96 hours)
	EC50 Daphnia magna: >1000 mg/L (48 hours)

Chronic (long-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	NOEC Daphnia magna: 12.5 mg/L (21 days)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	Readily biodegradable.
(2-Methoxymethylethoxy)propanol	Readily biodegradable in water.
1-(2-butoxy-1-methylethoxy)propan-2-ol	Readily biodegradable

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	Low potential for bioaccumulation.

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	Adsorption to the solid soil phase is not expected.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

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Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not Regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

872-50-4	1-methyl-2-pyrrolidone	Listed
34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 311/312 hazards:

Acute	Chronic	Fire	Pressure	Reactive
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No	No	No	No	No
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SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

872-50-4	1-methyl-2-pyrrolidone	Listed
34590-94-8	(2-Methoxymethylethoxy)propanol	Not Listed
29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	Not Listed

CERCLA: Not determined.

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

872-50-4	1-methyl-2-pyrrolidone	Listed
34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	Not Listed

New Jersey Right to Know:

872-50-4	1-methyl-2-pyrrolidone	Listed
34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	Not Listed

New York Right to Know:

872-50-4	1-methyl-2-pyrrolidone	Not Listed
34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	Not Listed

Pennsylvania Right to Know:

872-50-4	1-methyl-2-pyrrolidone	Listed
34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	Not Listed

California Proposition 65:

⚠WARNING: This product can expose you to 1-methyl-2-pyrrolidone; which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless

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specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-1-0

HMIS: 2-1-0

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End of Safety Data Sheet