Moisture Cure Urethane

SECTION 1: Identification

Product identifier

Product name: Moisture Cure Urethane

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:

Skin irritation, category 2
Flammable liquids, category 3
Carcinogenicity, category 2
Reproductive toxicity, category 2
Specific target organ toxicity - single exposure, category 3, narcotic effects
Specific target organ toxicity - repeated exposure, category 2

Label elements

Hazard pictograms:

Signal word: Warning

Hazard statements:

H226 Flammable liquid and vapor
H315 Causes skin irritation
H351 Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H361 Suspected of damaging 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)
H336 May cause drowsiness or dizziness

H373 May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Precautionary statements:

P264 Wash skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P210 Keep away from heat/sparks/open flames/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
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/vapors/spray
P271 Use only outdoors or in a well-ventilated area
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P302+P352 IF ON SKIN: Wash with plenty of water/ ...
P321 Specific treatment (see ... on this label)
P332+P313 If skin irritation occurs: Get medical advice/attention
P362 Take off contaminated clothing and wash it before reuse
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P370+P378 In case of fire: Use ... to extinguish
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
P312 Call a POISON CENTER/doctor/.../if you feel unwell
P314 Get medical advice/attention if you feel unwell
P403+P235 Store in a well-ventilated place. Keep cool
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: 108-65-6	1-Methoxy-2-propanol acetate	2-6
CAS number: 1330-20-7	Xylene	35-55
CAS number: 100-41-4	Ethyl Benzene	5-10

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 experiencing respiratory symptoms, 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 symptoms develop or persist, 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:

Skin contact may result in redness, pain, burning and inflammation.

Product is highly flammable. Exposure to sources of ignition may cause physical injury.

Inhalation may have adverse effects on the central nervous system. Symptoms may include drowsiness, dizziness, headache, nausea and lowering of consciousness. Acute overexposure via inhalation may result in respiratory distress, confusion and unconsciousness.

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

Suspected of causing cancer.

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.

May cause damage to organs through prolonged or repeated exposure. Effects are dependent on exposure (dose, concentration, contact time).

Immediate medical attention and special treatment

Specific treatment:

Overexposure via inhalation requires urgent medical treatment.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Dry chemical, CO2, water spray or alcohol-resistant foam.

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

Unsuitable extinguishing media:

Do not use water jet.

Specific hazards during fire-fighting:

Flammable liquid. Will be easily ignitable by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation.

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:

Evacuate non-essential personnel. Ventilate closed spaces before entering. Consider initial evacuation for 300 meters in all directions. If tank/rail car is involved in the fire, ISOLATE for 800 meters in all directions. Fight fire from a maximum distance. Move containers from fire area if you can do it without risk. Use water spray/fog for cooling fire exposed containers. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Stand by, at a safe distance, with extinguisher ready for possible re-ignition. A vapor-suppressing foam may be used to reduce vapors. Avoid unnecessary run-off of extinguishing media which may cause pollution. Do not handle damaged containers unless specialized to do so.

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:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist. vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. All equipment used when handling the product must be grounded. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist. vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. A vapor-suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Wear gloves and eye protection when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Avoid skin and eye contact and breathing in vapor. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do NOT smoke. Take precautionary measures against static discharges. Wash hands thoroughly after 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.

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.

Avoid breathing dust/ fume/ gas/mist/vapors/spray. Keep away from all sources of ignition. Avoid contact with skin and eyes.

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

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

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

Store in cool, dry place and keep container tightly closed. Do not store in direct sunlight.
Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

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-Methoxy-2-propanol acetate	108-65-6	TWA: 50 ppm
ACGIH	Xylene	1330-20-7	TWA: 100 ppm
	Xylene	1330-20-7	STEL: 150 ppm
OSHA	Xylene	1330-20-7	8-Hour TWA-PEL: 435 mg/m³
	Xylene	1330-20-7	8-Hour TWA-PEL: 100 ppm
	Xylene	1330-20-7	STEL: 150 ppm
	Xylene	1330-20-7	STEL: 655 mg/m³
	Ethyl Benzene	100-41-4	8-Hour TWA-PEL: 435 mg/m³ (100 ppm)
NIOSH	Xylene	1330-20-7	REL-TWA: 435 mg/m³
	Xylene	1330-20-7	REL-TWA: 100 ppm
	Xylene	1330-20-7	STEL: 655 mg/m³
	Xylene	1330-20-7	STEL: 150 ppm
	Ethyl Benzene	100-41-4	REL-TWA: 435 mg/m³ (100 ppm [10-hr])
	Ethyl Benzene	100-41-4	STEL: 545 mg/m³ (125 ppm)
	Ethyl Benzene	100-41-4	IDLH: 800 ppm
United States(California)	Xylene	1330-20-7	8-Hour TWA-PEL: 100 ppm
	Xylene	1330-20-7	PEL-STEL: 150 ppm (15- minute)
	Xylene	1330-20-7	PEL Ceiling: 300 ppm
	Ethyl Benzene	100-41-4	8-Hour TWA-PEL: 22 mg/m³ (5 ppm)
	Ethyl Benzene	100-41-4	PEL-STEL: 130 mg/m³ (30 ppm)

Biological limit values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
United States	Xylene	1330-20-7	Methylhippuric acids		End of shift	1.5 g/g

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Effective ventilation in all processing areas.

Personal protection equipment

Eye and face protection:
Safety goggles
Safety goggles or safety glasses with side shields
Safety glasses

Skin and body protection:
Impervious clothing, chemical resistant gloves
Chemical resistant clothing and gloves
Impervious clothing, Chemical resistant gloves
Chemical resistant clothing, chemical resistant gloves

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory protection
In case of insufficent ventialation, 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.
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. Appropriate techniques should be applied to remove contaminated clothing and shoes. Wash contaminated clothing before reuse.
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	liquid
Odor	solvent
Odor threshold	NA
pH	NA
Melting point/freezing point	-94.9C
Initial boiling point/range	136.1C
Flash point (closed cup)	83F
Evaporation rate	slower than diethyl ether
Flammability (solid, gas)	NA
Upper flammability/explosive limit	6.8% estimated
Lower flammability/explosive limit	1.2% estimated
Vapor pressure	10.95 hPa
Vapor density	heavier than air
Density	0.96
Relative density	NA
Solubilities	not soluble in water, reacts with water to release carbon dioxide
Partition coefficient (n-octanol/water)	NA

Auto/Self-ignition temperature	432.22C
Decomposition temperature	NA
Dynamic viscosity	NA
Kinematic viscosity	NA
Explosive properties	NA
Oxidizing properties	NA

Other information

VOC g/l	< 575 g/l

SECTION 10: Stability and reactivity

Reactivity:
Stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability:
Stable under normal storage and handling conditions.
Stable under recommended storage and handling conditions.

Possibility of hazardous reactions:
Under normal conditions of storage and use, hazardous reactions will not occur.
No dangerous reaction known under conditions of normal use.

Conditions to avoid:
Incompatible materials.
Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible materials:
Strong oxidizing agents.
Strong oxidizing agents and strong acids.

Hazardous decomposition products:
Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Carbon oxides (COx).

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-Methoxy-2-propanol acetate	oral	LD50 Rat: 5155 mg/kg
	dermal	LD50 Rabbit: >5000 mg/kg
Xylene	dermal	LD50 Rabbit: 1700 mg/kg
	inhalation	LC50 Rat: 5000 ppmV (4 h)
	oral	LD50 Mouse: 5251 mg/kg
Ethyl Benzene	inhalation	LC50 Rat: 4000 ppmV (4 h)
	oral	LD50 Rat: 5460 mg/kg
	dermal	LD50 Rabbit: 17,800 mg/kg

Skin corrosion/irritation

Assessment:
Causes skin irritation.

Product data:
No data available.

Substance data:

Name	Result
Xylene	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: No data available.

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:
Suspected of causing cancer.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Xylene	Group 3
Ethyl Benzene	Group 2B

National Toxicology Program (NTP):

Name	Classification
Ethyl Benzene	Not Applicable

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:
Suspected of damaging fertility or the unborn child.

Product data:
No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment:

May cause drowsiness or dizziness.

Product data:
No data available.

Substance data:

Name	Result
1-Methoxy-2-propanol acetate	May cause dizziness or drowsiness.

Specific target organ toxicity (repeated exposure)

Assessment:
May cause damage to organs through prolonged or repeated exposure.

Product data:
No data available.

Substance data:

Name	Result
Ethyl Benzene	May cause damage to hearing organs through prolonged or repeated exposure.

Aspiration toxicity

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

Product data:
No data available.

Substance data:

Name	Result
Ethyl Benzene	May be fatal if swallowed and enters airways.

Information on likely routes of exposure:
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-Methoxy-2-propanol acetate	LC50 Pimephales promelas: 130 mg/L (96 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-Methoxy-2-propanol acetate	NOEC Oryzias latipes: 47.5 mg/L (14 days)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
1-Methoxy-2-propanol acetate	Readily biodegradable.
Xylene	Readily biodegradable in water.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
1-Methoxy-2-propanol acetate	Log Kow: 1.2
Xylene	BCF: >8.1 - <25.9

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
Xylene	Moderately Mobile (Log Koc: 2.73)

Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT..

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB..

Substance data:

PBT assessment:

1-Methoxy-2-propanol acetate	Substance is not PBT.

vPvB assessment:

1-Methoxy-2-propanol acetate	Substance is not vPvB.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

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	1866
UN proper shipping name	UN 1866, Resin Solution, Class 3, Labels 3, Packing Group III
UN transport hazard class(es)	None
Packing group	III
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	1866
UN proper shipping name	UN 1866, Resin Solution, Class 3, Labels 3, Packing Group III
UN transport hazard class(es)	None
Packing group	III
Environmental hazards	None
Special precautions for user	None

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

UN number	1866
UN proper shipping name	UN 1866, Resin Solution, Class 3, Labels 3, Packing Group III
UN transport hazard class(es)	None
Packing group	III
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): All ingredients are listed or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals:

108-65-6	1-Methoxy-2-propanol acetate	Not Listed
1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed

CERCLA:

1330-20-7	Xylene	Listed	100
100-41-4	Ethyl Benzene	Listed	1000

RCRA:

1330-20-7	Xylene	Listed	U239
100-41-4	Ethyl Benzene	Listed	F003

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

108-65-6	1-Methoxy-2-propanol acetate	Not Listed
1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed

New Jersey Right to Know:

108-65-6	1-Methoxy-2-propanol acetate	Not Listed

1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed

New York Right to Know:

108-65-6	1-Methoxy-2-propanol acetate	Not Listed
1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed

Pennsylvania Right to Know:

108-65-6	1-Methoxy-2-propanol acetate	Not Listed
1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed

California Proposition 65:

⚠**WARNING:** This product can expose you to Ethyl Benzene; which is known to the State of California to cause cancer. 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 specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-3-0

HMIS: 3*-3-0

Initial preparation date: 02.10.2020

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End of Safety Data Sheet