

SAFETY DATA SHEET

SDS# 1012

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: USP® Polyforcement
CAS #: N/A
Generic Name: Polyester Fabric
Chemical Name: N/A
Chemical Family: N/A

Supplier Information:

U.S. PLY, INC.
 P.O. Box 163980
 Fort Worth, TX 76161
 (817) 413-0103
 Internet Website: www.usply.com
 Email: technical@usply.com

Toll Manufacturer Location:

RM Lucas Company
 3211 South Wood Street
 Chicago, Illinois 60608
 (773) 523-4300
 www.rmlucas.com

Emergency Telephone Number

Company Phone: (817) 413-0103
 Call Chemtrec Day or Night: 1-800-424-9300

Trade Name: USP® Polyforcement

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR1910.1200)

Label elements

Emergency Overview

Not Classified

Hazard Statements

None

Appearance Flexible sheet

Physical State Solid

Odor Slight

Precautionary Statements - Prevention

Not applicable

Precautionary Statements - Response

Not applicable

Precautionary Statements - Storage

Not applicable

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations
 See section 13 of this SDS for disposal instructions.

Hazards not otherwise classified (HNOC)

Not applicable

Supplemental Information

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance Mixture

Not applicable

Mixture

This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

Chemical Name	CAS #	Weight - %
Poly(oxy-1,2-ethanedioxy-carbonyl-1,4-phenylenecarbonyl) *	25038-59-9	60-100

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of first aid measures**

General Advice	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.
Eye contact	Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Wash contaminated clothing before reuse.
Inhalation	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.
Ingestion	Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.
Self-protection of the first aider	First aider: Pay attention to self-protection!

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Note to Physicians Treat symptomatically.

5. FIRE FIGHTING MEASURES**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO₂, sand, earth, water spray or regular foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products**Explosion data**

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters

All individuals required to enter the hazard area must wear full-face, NIOSH-approved self-contained breathing apparatus and appropriate protective clothing.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protective equipment as required.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Collect spillage. Dispose of contents/container to an approved waste disposal plant.

Methods and material for containment and cleaning up

Methods for containment No information available.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards No information available

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in dry and well-ventilated place.

Incompatible materials Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control Parameters**

Exposure Guidelines This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective gloves and protective clothing.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid	Odor	Slight
Appearance	Solid sheet fibers	Odor threshold	No information available
Color	white		
Property	Values	Remarks + Methods	
pH	No available		
Melting point/freezing point	No available		
Boiling point / boiling range	No available		
Flash point	No available		
Evaporation rate	No available	Not Applicable	
Flammability (solid, gas)	No available		
Flammability Limit in Air	No available		
Upper flammability limit:	No available		
Lower flammability limit:	No available		
Vapor pressure	No available		
Vapor density	No available		
Relative density	> 1		
Water solubility	Insoluble in cold and hot water		
Solubility in other solvents	No soluble in water or oil		
Partition coefficient	No available		
Autoignition temperature	> 260 °C / > 500 °F		
Decomposition temperature	No available		
Kinematic viscosity	No available	Not Applicable	
Dynamic viscosity	No available	Not Applicable	
Explosive properties	Not an explosive		
Oxidizing properties	Not applicable		

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity

Not applicable

Chemical Stability

Stable under recommended storage conditions

Possible hazardous reactions

None under normal use

Hazardous polymerization Will not occur.

Conditions to avoid

Storage near to reactive materials, elevated temperature.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases

Hazardous decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Ingestion	Based on available data, the classification criteria are not met.
Inhalation	None known

Skin contact None known

Eye contact None known

Information on toxicological effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

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

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

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

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

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

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

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

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

Numerical measures of toxicity - No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

This mixture contains no known hazard to the aquatic life. 100 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and degradability

No information available.

Bioaccumulation potential

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Water treatment methods

Disposal of waste Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORTATION INFORMATION

Note: This material is not subject to regulation as a hazardous material for shipping.

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

RID Not applicable in the United States.

ADR Not applicable in the United States.

ADN Not applicable in the United States.

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL/NDSL Complies

EINECS/ELINCS Complies

IECSC Complies

KECL Complies

PICCS Complies

AICS Complies

Legend

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECS	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances
AICS	Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the superfund Amendments and reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the code of Federal Regulations, Part 372.

SARA 311/312

Acute health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR.122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US State Regulations

This product contains the following Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains the following substances regulated by various State Right-to-Know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health Hazard	0	Flammability	1	Physical Hazards	0	Physical and Chemical Properties	-
HMIS	Health Hazard	0	Flammability	1	Physical Hazards	0	Personal Protection	X
	<i>Chronic Hazard Star Legend</i>		* = Chronic Health Hazard					

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End of Safety Data Sheet