

## Polyplus Type II

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
 Revision\_date: 02/20/2025 Supersedes: not applicable Version: 1.0

### SECTION 1: Identification of the substance/mixture

#### Product Identifier

**Product form:** Plastic Abrasive

**Substance name:** Polyplus Plastic Blast Abrasive (Type II)

**CAS No.:** 9004-34-6

**Formula:** CH4N2O

**Synonyms:** Urea Polymer

#### Intended Use Of The Product

**Use of the substance/mixture:** Depainting

#### Name, Address, And Telephone Of The Responsible Party

USTMedia Inc.  
 509 Water ST., Bolivar OH. 44612  
 330-455-1181

#### Emergency telephone number

Emergency number : 330-874-3094

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call US TECHNOLOGY – Day or Night

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

#### GHS-US classification

Eye Irrit. 2A H319



#### Label elements GHS-US labeling

**Hazard statements (GHS-US)** : H319 - Abrasive Dust irritant: Causes serious eye irritation

**Precautionary statements (GHS-US)** : P280 - Wear PPE - Dust mask and eye protection.

### SECTION 3: Composition/information on ingredients

#### Substances

Name	Product Identifier	%	GHS-US classification
Polymerized Urea/Melamine Formaldehyde Compound w/ Alpha Cellulose Filler	(CAS No.) 9004-34-6 9011-05-6	98%	Amino Thermoset Molded Plastic
Anti-Static Agent – Cal Stat 600	2764-13-8	>1%	Amino Thermoset Molded Plastic
Pigments and Additives	5280-80-8 13463-67-7 12769-96-9	<2%	Amino Thermoset Molded Plastic

### SECTION 4: First aid measures

#### Description of first aid measures

**First-aid measures general:** If material is airborne, remove person from exposure.

**First-aid measures after inhalation:** Go to well ventilated area, keep in a position for comfortable breathing, call Physician if symptoms persist.

**First-aid measures after skin contact:** Flush skin with water and soap.

**First-aid measures after eye contact:** Rinse cautiously for several minutes with water, remove contact lenses, if possible.

**First-aid measures after ingestion:** Rinse mouth.

#### Most important symptoms and effects, both acute and delayed

**Symptoms/injuries:** Eye irritation.

# Polyplus Type II

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Symptoms/injuries after skin contact:** Skin rash.

**Symptoms/injuries after eye contact:** Causes serious eye irritation.

## **Indication of any immediate medical attention and special treatment needed**

If medical advice is needed, have product container or label at hand.

## **SECTION 5: Firefighting measures**

### **Extinguishing media**

**Suitable extinguishing media:** Alcohol foam, water, carbon dioxide, dry chemical.

**Unsuitable extinguishing media:** None.

### **Special hazards arising from the substance or mixture**

**Fire hazard:** Highly flammable liquid and vapor.

**Explosion hazard:** Flame will form toxic vapors; avoid inhalation of smoke or vapors.

### **Advice for firefighters**

**Firefighting instructions:** Exercise caution when fighting any chemical fire.

**Protection during firefighting:** Firefighters should wear full protective gear with independent breathing air.

## **SECTION 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

**General measures:** Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing. Use only in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.

#### **For non-emergency personnel**

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

#### **For emergency responders**

**Protective equipment:** Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Ventilate area.

### **Environmental precautions**

Prevent entry to sewers and public waters.

### **Methods and material for containment and cleaning up**

**For containment:** Contain spill, then place in suitable container. Sweep or vacuum.

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

### **Reference to other sections**

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: Handling and storage**

### **Precautions for safe handling**

**Additional hazards when processed:** None.

**Precautions for safe handling:** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing. Use only in a well-ventilated area. Wear recommended personal protective equipment.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### **Conditions for safe storage, including any incompatibilities**

**Technical measures:** None.

**Storage conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible products:** Strong acids. Strong bases. Strong oxidizers.

**Incompatible materials:** Heat sources.

**Storage area:** Keep in dry place.

**Special rules on packaging:** None.

**Specific end use(s):** Filler.

# Polyplus Type II

Safety Data Sheet

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## SECTION 8: Exposure controls/personal protection

### Control parameters

Polymerized Urea (CAS No.) 9004-34-6	
USA ACGIH	ACGIH TWA (ppm)
USA ACGIH	ACGIH STEL (ppm)
USA OSHA	OSHA PEL (TWA) (mg/m3)
USA OSHA	OSHA PEL (TWA) (ppm)

### Exposure controls

Appropriate engineering controls : Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.

Hand protection : Wear protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear Long Sleeve Shirt.

Respiratory protection : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Thermal hazard protection : Wear suitable protective clothing.

Other information : When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state : Dry powder

Appearance : Grey powder

Color : Grey

Odor : None

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : 500 °F

Freezing point : No data available

Boiling point : Not applicable

Flash Point : 390° F

Auto-ignition temperature : No data available

Decomposition Temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : Not applicable.

Relative vapor density at 20 °C : No data available

Relative density : No data available

Density : No data available

Solubility : Insolvable

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Explosive limits : Not applicable

**Other information:** No additional information available

# Polyplus Type II

Safety Data Sheet

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## SECTION 10: Stability and reactivity

**Reactivity** Non-reactive.

**Chemical Stability** Stable under recommended handling and storage conditions (see section 7).

**Possibility Of Hazardous Reactions** Non-reactive.

**Conditions To Avoid** Avoid ignition sources. Heat. Sparks. Open flame.

**Extremely high or low temperatures. Incompatible Materials** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products** Carbon oxides (CO, CO<sub>2</sub>). May release flammable and toxic gases.

## SECTION 11: Toxicological information

### Information on toxicological effects

Acute toxicity : Not classified

Polymerized Urea (CAS No.) 9004-34-6	
LD50 oral rat	No Data Available
LD50 dermal rabbit	No Data Available
LC50 inhalation rat (mg/l)	No Data Available

**Skin corrosion/irritation:** Not Applicable

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** Not Applicable

**Germ cell mutagenicity:** Not Applicable

**Carcinogenicity:** Not Applicable

**Reproductive toxicity:** Not Applicable

**Specific target organ toxicity (single exposure):** Not Applicable

**Specific target organ toxicity (repeated exposure):** Not Applicable

**Aspiration hazard:** Not Applicable

**Symptoms/injuries after inhalation:** Causes coughing.

**Symptoms/injuries after eye contact:** Causes serious eye irritation.

**Symptoms/injuries after ingestion:** Ingestion may cause nausea, vomiting.

## SECTION 12: Ecological information

### Toxicity

Polymerized Urea (CAS No.) 9004-34-6	
LC50 fishes 1	No Data Available
EC50 Daphnia 1	No Data Available
LC50 fish 2	No Data Available
EC50 Daphnia 2	No Data Available

### Persistence and degradability

Polymerized Urea (CAS No.) 9004-34-6	
Persistence and degradability	Not

### Bioaccumulative potential

Polymerized Urea (CAS No.) 9004-34-6	
BCF fish 1	No Data Available
Log Kow	No Data Available
Bioaccumulative potential	Not established

### Mobility in soil

No additional information available

### Other adverse effects

**Other information** : Avoid release to the environment.

## SECTION 13: Disposal considerations

### Waste treatment methods

**Regional legislation (waste):** U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing – 40 CFR261.2

Characteristic solid hazardous waste for Cd if in excess of 1 ppm, Cr if in excess of 5 ppm, or Pb is in excess of 5 ppm.

# Polyplus Type II

Safety Data Sheet

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## SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

**UN number** : Not Applicable  
**UN-No.(DOT)** : Not applicable  
**DOT NA no.** Not applicable

**DOT Packaging Exceptions (49 CFR 173.xxx)** : No Limitation

**DOT Packaging Non Bulk (49 CFR 173.xxx)** : No Limitation

**DOT Packaging Bulk (49 CFR 173.xxx)** : No Limitation

### Additional information

**Emergency Response Guide (ERG) Number** : No Limitation

**Other information** : No supplementary information available.

### Transport by sea

**DOT Vessel Stowage Location** : Below deck

**MFAG-No.** : Not applicable

### Air transport

**DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)** : Not applicable

**DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)** : Not applicable

## SECTION 15: Regulatory information

### US Federal regulations

**RCRA – Disposal per 40CFR 261.2**

Not Listed on the United States TSCA (Toxic Substances Control Act) inventory

### US State regulations

<b>State or local regulations</b>	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
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## SECTION 16: Other information

**Indication of changes** : 11/13/2015

**Other information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### GHS Full Text Phrases:

Eye Irrit. 1	Mild eye damage/eye irritation Category 1
H319	Causes serious eye irritation

**NFPA health hazard** : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard** : 1 - Liquids and solids that can be ignited under almost all ambient conditions.

**NFPA reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

### HMIS III Rating

**Health** : 1 Slight Hazard - Irritation or minor reversible injury possible

**Flammability** : 0 Minimal Hazard

**Physical** : 0 Minimal Hazard

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

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