

SAFETY DATA SHEET

Product Name: Urea Plastic Grit

Product Description: Thermoset Urea Compound - Crosslinked

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Urea polymer particles grit

1.2 Relevant identified uses of the substance or mixture and uses advised against Identified use(s)

Industrial cleaning, blasting and coating removal

1.3 Details of the supplier of the safety data sheet.

Company Name: AGSCO Corporation
Address: 1755 N. Butterfield Road
Libertyville, Illinois 60048

Emergency number: 847-520-4455
Information number: 847-520-4455
Date prepared: August, 2023

2. HAZARDS IDENTIFICATION

Appearance

Granules, one or several colors

Physical State

Granular

Odor

No odor

Classification

Combustible Dust

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

Signal Word

Warning

Hazard Statements

May form combustible dust concentrations in air

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Thermoset Urea Compound - Crosslinked.

Chemical Family Thermoset Plastics.

Formula Urea Polymerized/resiSTAT[®]

Chemical Name	CAS No	Weight-%
Polymerized Urea Molding Compound	9011-05-6	>97
Pigments and additives	Proprietary	<2
Anti-Static Additive	68071-95-4	<1

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4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash skin thoroughly with mild soap and water. Seek medical attention if irritation develops.
Inhalation	Remove to uncontaminated area - fresh air. Call a physician if irritation persists.
Ingestion	If swallowed, give large amounts of water, induce vomiting, consult a physician.

Most important symptoms and effects

Symptoms	Exposure to eyes from solids or dusts may cause irritation or scratch the surface of the eye. Potential of slight irritation to skin. May be harmful if swallowed. Potential respiratory tract irritation if inhaled.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media -Dry chemical, CO₂, water spray or regular foam. Steam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Sealed containers can build up pressure if exposed to heat and/or fire. Dust can form an explosive mixture with air.

Hazardous Combustion Products Carbon monoxide. Nitrogen oxides (NO_x).

Sensitivity to Static Discharge

AVOID GENERATING DUST. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Carefully sweep, scoop or vacuum and place in suitable container. Avoid generating dust or accumulating dust. Avoid dust dispersal in the air (i.e. cleaning dust surfaces with compressed air). If possible, complete cleanup on a dry basis. Spilled material can be a slipping hazard. Eliminate flames, sparks,

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excessive temperatures and oxidizing agents. Non-sparking tools should be used.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use only in well-ventilated areas. Avoid generation of dust. Avoid breathing dusts. Avoid contact with skin and eyes. Minimize dust generation and accumulation. Ensure that dust does not accumulate on surfaces.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in closed, properly labeled containers in a cool, ventilated area. Do not transfer contents to bottles or other unlabeled containers. Keep away from heat, open flames and oxidizing agents.

Incompatible Materials Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Contains no substances with occupational exposure limit values

Appropriate engineering controls

Engineering Controls Explosion-proof general and local exhaust ventilation. Use explosion proof electrical equipment for very high dust levels. Ensure ventilation and dust-handling systems prevent the escape of dust into work areas and there is no leakage from equipment. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side shields, goggles and/or a face shield.

Skin and Body Protection Use rubber gloves. If necessary also wear a protective rubber apron, shoes or boots or TYVEC protective suit with hood. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Respiratory Protection Nuisance dust mask 3M type 8710 or equivalent. (Recommended).

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

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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Granular
Appearance	Granules One or several colors
Odor	No odor
Color	Various
Odor Threshold	Not determined
<u>Property</u>	<u>Values</u>
pH	4-8
Melting Point/Freezing Point	Not applicable
Boiling Point/Boiling Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (Solid, Gas)	Not determined
Upper Flammability Limits	Not applicable
Lower Flammability Limit	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Specific Gravity	1.5 (1=Water)
Water Solubility	Insoluble in water
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not applicable
Dynamic Viscosity	Not applicable
Explosive Properties	Dust can form an explosive mixture with air
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Excessive heat, sparks and flames.

Incompatible Materials

Oxidizing agents.

Hazardous Decomposition Products

Smoke, Carbon Monoxide, Nitrous Oxides.

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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

- Eye Contact** Avoid contact with eyes.
- Skin Contact** Avoid contact with skin. May be harmful in contact with skin.
- Inhalation** Avoid inhalation of dust.
- Ingestion** Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Polymerized Urea Molding Compound 9011-05-6	= 8394 mg/kg (Rat)	> 2100 mg/kg (Rat)	> 167 mg/m ³ (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

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Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

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

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINC	ENCS	IECSC	KECL	PICCS	AICS
Polymerized Urea Molding Compound	Present	X				Present	X	Present	X	X
Pigments and additives	Present	X		Present			X	Present	X	X

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 **IECSC** -

China Inventory of Existing

Chemical Substances **KECL** -

Korean Existing and Evaluated

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Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

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) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Not determined

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)

US State Regulations

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

Additional Product Information Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

NFPA Hazards	Health Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
HMIS Hazards	Health Not determined	Flammability Not determined	Physical Hazards Not determined	Personal Protection Not determined

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.

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