

Safety Data Sheet for 114656AP Standard Clear Cast Acrylic Purger

This SDS complies with 29 CFR §1910.1200.

1 IDENTIFICATION

Product Identifier

Product Name: 114656AP Standard Clear Cast Acrylic Purger

Recommended Use and Restrictions of Use

Recommended Use: Purging compound

Restrictions of Use: This product is not intended for use as a direct additive in foods, drugs, cosmetics, pesticides, or in products for which prolonged contact with mucous membranes or abraded skin, or implantation within the human body is specifically intended.

Name, Address, and Telephone Number of the Responsible Party

Company: Plastic Process Equipment, Inc

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Macedonia, OH 44056

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FAX: (216) 367-7022

E-Mail: sales@ppe.com

Emergency Telephone Number

Telephone: (800) 535-5053

2 HAZARD(S) IDENTIFICATION

Classification of the Substance

USA: This product is classified as hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR §1910.1200). This product does not present a combustible dust hazard in the form in which it is shipped by the manufacturer, but may become hazardous through downstream activities (e.g. grinding, pulverizing) that reduce its particle size.

Hazard(s): TOXIC TO REPRODUCTION (CATEGORY 2)
COMBUSTIBLE DUST

Signal Word, Hazard Statements, Symbols, & Precautionary Statements

Signal Word: WARNING

Hazard Statement(s): Suspected of damaging fertility or the unborn child
If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air

GHS Pictograms(s):



Precautionary Statements:

- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If exposed or concerned: Get medical advice/attention.

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- Store locked up. Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazards Not Otherwise Classified (HNOC)

None known

Other Classifications

NFPA



HMIS®

HEALTH	1*
FLAMMABILITY	1
PHYSICAL HAZARD	0

* Indicates possible chronic health effects

3 COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following component(s) for which exposure control limits have been established by ACGIH, NIOSH, or OSHA and/or which are present at concentrations sufficient to result in the classification of the product as hazardous to health (*i.e.* above the relevant cut-off value for any particular health hazard) according to the 2012 OSHA Hazard Communication Standard (29 CFR §1910.1200). The specific chemical identities of the remaining components (including non-hazardous components) and the exact percentages (concentrations) of composition of all components have been withheld as trade secrets.

Chemical Name(s)	CAS No.	Wt. %
Calcium carbonate (limestone) Regulated as an air contaminant (29 CFR §1910.1000)	1317-65-3	Confidential
Borates, tetra, sodium salts (decahydrate) (Borax)	1303-96-4	Confidential

4 FIRST AID MEASURES

Description of Necessary Measures

Eyes	In case of contact with eyes, rinse immediately with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation occurs.
Inhalation	Remove to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration and get immediate medical attention. Get medical attention if respiratory irritation occurs.
Skin	Wash immediately with plenty of soap and water. Get medical attention if irritation or rash occurs.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have person lean forward to reduce the risk of aspiration. Get medical attention immediately.

Most Important Symptoms / Effects, Acute and Delayed

Eyes	May cause minor eye irritation.
Inhalation	Dust may cause respiratory irritation. Vapors and fumes produced during high temperature processing operations may cause respiratory irritation.

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Skin May cause minor skin irritation.
Ingestion May be harmful if swallowed.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

Notes to Physician: Exposure to dust may aggravate pre-existing respiratory conditions. This product contains a borate compound (borax). Borates have shown adverse reproductive and developmental effects in animals after chronic exposure to large amounts by ingestion. However, adverse effects have not been observed in human workers occupationally exposed to borates.

5 FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media

Suitable Use foam, carbon dioxide (CO₂), dry chemical, or water fog to extinguish fire.
Unsuitable Do not use high volume water jet as it may scatter and spread the fire.

Specific Hazards Arising from the Chemical

Burning may produce hazardous combustion products, including carbon monoxide, carbon dioxide, and other toxic gases. Spilled pellets may present a slip hazard on floors.

Special Protective Equipment and Precautions for Firefighters

Standard protective equipment for fighting chemical fires should be used, including self contained breathing apparatus (SCBA) and full fire fighting turn-out gear (full Bunker gear).

Caution: CO₂ used for extinguishing will displace air in confined spaces and may cause an oxygen deficient atmosphere.

Move undamaged containers from the immediate hazard area if it can be done safely.

Water used for extinguishing a fire must be prevented from draining into sewers or being released to the environment.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Spilled pellets may present a slip hazard on floors. Avoid personal contact. Wear personal protective equipment (See Section 8: Exposure Controls / Personal Protection). Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Special precautions must be taken if small particles have been generated from this product by processing, handling, or by other means, which may form combustible dust concentrations in air. Remove all sources of ignition and do not breathe dust.

Environmental Precautions

Do not release to the environment. Do not allow substance to enter into surface water or drains. Collect spillage.

Methods and Materials for Containment and Cleaning Up

Sweep up and collect material into suitable containers for reuse or disposal (See Section 13: Disposal Considerations).

Special precautions must be taken if small particles have been generated from this product by processing, handling, or by other means, which may form combustible dust concentrations in air. Remove all sources of ignition. Use explosion-proof equipment for cleanup that has been designed for use with combustible dusts.

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7 HANDLING AND STORAGE

Precautions for Safe Handling

Do not breathe vapors/fumes generated in high temperature processing operations or airborne dust, and avoid contact with eyes and skin. Use only with adequate ventilation. Do not eat, drink, or use tobacco products while working.

Pellets may generate static discharge during handling, which can act as an ignition source for any flammable vapors or dusts that are present. To reduce the potential for static discharge, bond and ground containers when transferring material. When flammable solvents are present, the container must be inerted or otherwise designed to prevent or contain an explosion.

Special precautions must be taken if small particles are generated during further processing, handling or by other means, which may form combustible dust concentrations in air. Remove all sources of ignition and do not breathe dust. Seek expert advice.

Conditions for Safe Storage, Including Any Incompatibilities

Keep container tightly closed in a cool, dry, and well-ventilated place. Avoid exposure to heat. Keep away from acids (See Section 10: Stability and Reactivity). Store locked up.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Control Limits

Calcium carbonate (Limestone) CAS No. 1317-65-3	ACGIH	TLV®: 10 mg/m ³ TWA Notes: Inhalable particulate matter containing no asbestos and <1% crystalline silica.
	NIOSH	REL: 10 mg/m ³ TWA (total dust) REL: 5 mg/m ³ TWA (respirable fraction)
	OSHA	PEL: 15 mg/m ³ TWA (total dust) PEL: 5 mg/m ³ TWA (respirable fraction) Table Z-1, 29 CFR §1910.1000
Borates, tetra, sodium salts (decahydrate) CAS No. 1303-96-4	ACGIH	TLV®: 2 mg/m ³ TWA STEL: 6 mg/m ³
	NIOSH	REL: 5 mg/m ³ TWA

Appropriate Engineering Controls

Work in well ventilated areas. The use of local exhaust ventilation is recommended to control air contaminants. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment if dust is present and/or generated during processing, handling, or by other means. Use mechanical handling to reduce human contact with materials.

Individual Protective Measures, Such as Personal Protective Equipment

General Hygiene

Avoid breathing vapors or fumes generated during high temperature processing operations or airborne dust. Avoid contact with eyes and skin. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Eye/Face Protection

Wear safety glasses with side shields or safety goggles.

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Skin Protection	Wear protective gloves impervious to the conditions of use and protective clothing. Recommended materials for protective gloves include PVC, rubber, and other plastics.
Respiratory Protection	Wear NIOSH-approved respiratory protection if exposure to vapors or fumes generated during high temperature processing operations or airborne dust is possible and in non-routine or emergency situations.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	clear flakes
Odor	no information available
Odor Threshold	no information available
Physical State	solid
pH value	no information available
Melting Range	no information available
Boiling Point	no information available
Flash Point	no information available
Evaporation Rate	no information available
Flammability	no information available
Upper Flammability Limit	no information available
Lower Flammability Limit	no information available
Vapor Pressure	no information available
Vapor Density	no information available
Specific Gravity	no information available
Solubility in water	no information available
Partition Coefficient (octanol/water)	no information available
Autoignition Temperature	no information available
Decomposition Temperature	no information available
Viscosity	not applicable (N/A)

10 STABILITY AND REACTIVITY

Reactivity

Stable under normal ambient and anticipated storage and handling conditions. Reacts with acids forming salts, water, and carbon dioxide.

Chemical Stability

Stable under normal ambient and anticipated storage and handling conditions. Stable below 150°F (65°C). Water and carbon dioxide are produced on thermal decomposition.

Possibility of Hazardous Reactions

None known

Conditions to Avoid

Acids, electrostatic discharge and ignition sources, formation of small particles (combustible dust)

Incompatible Materials

Acids

Hazardous Decomposition Products

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Burning may produce hazardous combustion products, including carbon monoxide, carbon dioxide, and other toxic gases.

11 TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure, Acute and Delayed

Eyes	May cause minor eye irritation.
Inhalation	Dust may cause respiratory irritation. Vapors and fumes produced during high temperature processing operations may cause respiratory irritation.
Skin	May cause minor skin irritation.
Ingestion	May be harmful if swallowed.
Target Organ Effects	This product contains a borate compound (borax). Borates have shown adverse reproductive and developmental effects in animals after chronic exposure to large amounts by ingestion.
Chronic Effects	This product contains a borate compound (borax). Borates have shown adverse reproductive and developmental effects in animals after chronic exposure to large amounts by ingestion.

Acute Toxicity

Oral	Rat, LD ₅₀ > 2,000 mg/kg (estimated)
Inhalation	no information available
Dermal	no information available

Skin Corrosion / Irritation

Not classified as a skin irritant based on available data for the components.

Eye Damage / Irritation

Not classified as an eye irritant based on available data for the components.

Sensitization

Respiratory Sensitization	no information available
Skin Sensitization	Not classified as sensitizing based on available data for the components.

Germ Cell Mutagenicity

no information available

Carcinogenicity

This product contains components for which information is not available. This product contains no components at a concentration greater than 0.1% that are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

Reproductive Toxicity

This product is classified as toxic to reproduction (Category 2) on the basis that it contains > 0.1% of a borate compound (borax), which is classified as toxic to reproduction (Category 2) on the basis of test data in animals. However, adverse effects have not been observed in human workers occupationally exposed to borates.

Target Organ Toxicity

Single Exposure	no information available
Repeat/Prolonged Exposure	no information available

Aspiration Hazard

no information available

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12 ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity - fish	no information available
Acute toxicity - algae	no information available
Acute toxicity - invertebrates	no information available
Acute toxicity - bacteria	no information available

Persistence and Degradability

no information available

Bioaccumulative Potential

no information available

Mobility in Soil

no information available

Other Adverse Effects

no information available

13 DISPOSAL CONSIDERATIONS

Recover or recycle if possible.

Disposal of product and contaminated packaging should be in accordance with applicable local, regional, national, and international laws and regulations. Local regulations may be more stringent than regional or national requirements.

14 TRANSPORT INFORMATION

UN Number

no information available

UN Proper Shipping Name

no information available

Technical Name

no information available

Transport Hazard Class(es)

no information available

Packing Group

no information available

Environmental Hazard(s)

no information available

Transport in Bulk

No information available

Other Information

Not classified as a hazardous material under US DOT regulations.

15 REGULATORY INFORMATION

Inventory Status

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United States (TSCA) All components listed or exempt from listing

USA Federal SARA Title III Rules

Section 302 No components of this material are subject to the reporting requirements of SARA Title III, Section 302.

Section 304 No components of this material are regulated under SARA Title III, Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" list).

Section 313 This material does not contain any component(s) listed on the Section 313 Toxic Chemical List.

Section 311/312 Hazards: Acute health hazard, chronic (delayed) health hazard

16 OTHER INFORMATION

Revision Date

February 19, 2018

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End of SDS