

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Date of issue: 03/21/2025

Revised on 03/21/2025

* 1 Identification

- **Product Identifier**
- **Trade Name:** PNG-BULK
- **Other means of identification**
- **Product Number:** PNG-BULK; PNG-20T; PNG-4; SAM-PNG-1
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Add Solid Components & Correct Flow Issues
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Mold In Graphic Systems®
999 State Route 89A
Clarkdale, AZ 86324
INFORMATION: 928-634-8838
- **Emergency telephone number:**
ChemTel - Contract Number MIS5331061
United States, Canada and U.S. Territories: 1-800-255-3924
All other countries reference the international access phone number: 1-813-248-0585

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Flame

Flammable solids 2 H228 Flammable solid.



Health hazard

Carcinogenicity 1B H350 May cause cancer.

Aspiration hazard 1 H304 May be fatal if swallowed and enters airways.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Proprietary Component
- **Hazard statements:**
H228 Flammable solid.
H350 May cause cancer.
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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Trade Name: PNG-BULK

- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P331 Do NOT induce vomiting.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.

· **Information pertaining to particular dangers for man and environment:**

- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	3	Fire = 3
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

· **Classification according to (d)(1)(ii) of § 1910.1200**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

· **Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

* 3 Composition/Information on Ingredients

· **Non-hazardous components:**

108419-34-7	acetic acid, C9-11-branched alkyl esters, C10-rich	2-12%
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· **Chemical characterization: Substance**

· **Description:**

Mixture of substances listed with non-hazardous additions and/or components that are less than listing threshold. All non-hazardous, components listed under threshold, and listed component total 100%.

· **Dangerous Components:**

Proprietary Component	Combustible Dust	60-90%
Proprietary Component	☠ Carcinogenicity 1B, H350; Aspiration hazard 1, H304	2-12%

· **Additional information:**

Trade secret or proprietary made in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard Communication Standard and U.S. Code of Federal Regulations.

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

* 4 First-Aid Measures

· **Description of first aid measures**

- **General information:** If symptoms persist, call a physician.

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Trade Name: PNG-BULK**· After inhalation:**

Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

· After skin contact:

In case of contact with substance, immediately flush skin with running water for at least 20 minutes.

· After eye contact:

In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

· After swallowing: If large quantities are swallowed, call a physician immediately.**· Most important symptoms and effects, both acute and delayed:** No further relevant information available.**· Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

* 5 Fire-Fighting Measures

· Extinguishing media**· Suitable extinguishing agents:** Class B: dry chemical, carbon dioxide, foam, steam or water fog.**· For safety reasons unsuitable extinguishing agents:** No further relevant information.**· Special hazards arising from the substance or mixture:**

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

Fine powder, foil and turnings are easily ignited and burn with intense heat. Pieces less than 3mm thick are difficult to ignite, but possible when sufficient heat is applied.

· Advice for firefighters**· Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

Do not walk through spilled material. Wear appropriate protective clothing.

Keep unauthorized personnel away.

· Environmental precautions: No special measures required.**· Methods and material for containment and cleaning up:**

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

· PAC-1:

None of the ingredients are listed.

· PAC-2:

None of the ingredients are listed.

· PAC-3:

None of the ingredients are listed.

· Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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* 7 Handling and Storage

- **Precautions for safe handling:**

Use good safety and industrial hygiene practices. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Keep protective respiratory device available.

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

- **Storage**

- **Requirements to be met by storerooms and receptacles:**

Keep container tightly closed when not in use. Protect from extreme temperatures.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

- **Specific end use(s):** No further relevant information available.

* 8 Exposure Controls/Personal Protection

- **Control parameters:**

- **Components with occupational exposure limits:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

- **Exposure controls:**

- **Appropriate engineering controls** No further data; see section 7.

- **Personal protective equipment**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Protective gloves

- **Material of gloves:** Not applicable.

- **Penetration time of glove material:** Not applicable.

- **Eye protection:**



Tightly sealed goggles

- **Limitation and supervision of exposure into the environment:** None

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* 9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Physical state

Solid

· Color:

Varies

· Odor:

Fruity

· Odor threshold:

Not determined.

· Melting point/Melting range:

Not determined.

· Boiling point/Boiling range:

>40 °C (>104 °F)

· Flammability:

Highly flammable.

· Explosion limits:

· Lower:

Not determined.

· Upper:

Not determined.

· Flash point:

>54 °C (>129.2 °F)

· Auto igniting:

Not applicable

· Decomposition temperature:

Not determined.

· pH-value:

Not determined.

· Viscosity:

· Kinematic:

Not applicable.

· Dynamic:

Not applicable.

· Solubility in / Miscibility with:

· Water:

Negligible

· Partition coefficient (n-octanol/water):

Not determined.

· Vapor pressure:

Not applicable.

· Vapor pressure:

· Density:

Not determined.

· Relative density:

Not determined.

· Vapor density:

Not applicable.

· Particle characteristics

Not determined.

· Other information:

· Appearance:

· Form:

Solid

· Important information on protection of health and environment, and on safety.

· Ignition temperature:

Product is not self-igniting.

· Danger of explosion:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Solvent content:

· VOC content:

0.00 %

· Change in condition

· Evaporation rate:

Not applicable.

* 10 Stability and Reactivity

· Reactivity: No further relevant information available.

· Chemical stability: Product is stable under normal conditions.

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions: No dangerous reactions known.

· Conditions to avoid: Heat, flame and ignition sources.

· Incompatible materials: Strong oxidizing agents and acids.

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Trade Name: PNG-BULK**· Hazardous decomposition products:**Depending on conditions of fire, CO, CO₂, CL, and combustible gasses may be generated.*** 11 Toxicological Information****· Information on toxicological effects:****· Acute toxicity:****· LD/LC50 values that are relevant for classification:** No data available.**· Primary irritant effect:****· On the skin:** No irritating effect.**· On the eye:** No irritating effect.**· Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Carcinogenic

· Interactive effects No interactive effects between components are known.**· Carcinogenic categories:****· IARC (International Agency for Research on Cancer):**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

· Alternative sources for toxicological information

No non-standard sources for toxicological information where used.

*** 12 Ecological Information****· Toxicity:** This material has not been TESTED for Environmental effects.**· Aquatic toxicity:** No further relevant information available.**· Persistence and degradability:** No further relevant information available.**· Bioaccumulative potential:** No further relevant information available.**· Mobility in soil:** No further relevant information available.**· Results of PBT and vPvB assessment:****· PBT:** Not applicable.**· vPvB:** Not applicable.**· Other adverse effects:****· Additional ecological information:****· General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

*** 13 Disposal Considerations****· Waste treatment methods****· Recommendation:**

Must not be disposed of together with household waste. Do not allow product to reach sewage system.

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Observe all federal, state and local environmental regulations when disposing of this material.

· **Waste disposal key:** US EPA RCRA waste code D001 (ignitability characteristic).

· **Uncleaned packaging**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

* 14 Transport Information

· **UN-Number:**

· **DOT, ADR/ADN, IMDG, IATA**

UN1325

· **UN proper shipping name:**

· **DOT**

Flammable solids, organic, n.o.s.

· **ADR/ADN**

UN1325 FLAMMABLE SOLID, ORGANIC, N.O.S.

· **IMDG, IATA**

FLAMMABLE SOLID, ORGANIC, N.O.S.

· **Transport hazard class(es):**

· **DOT**



· **Class:**

4.1 Flammable solids, self-reactive substances and solid desensitised explosives

· **Label:**

4.1

· **ADR/ADN**



· **Class:**

4.1 (F1) Flammable solids, self-reactive substances and solid desensitised explosives

· **Label:**

4.1

· **IMDG, IATA**



· **Class:**

4.1 Flammable solids, self-reactive substances and solid desensitised explosives

· **Label:**

4.1

· **Packing group:**

· **DOT, ADR/ADN, IMDG, IATA**

II

· **Environmental hazards:**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Quantity limitations:**

On passenger aircraft/rail: 15 kg

On cargo aircraft only: 50 kg

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Trade Name: PNG-BULK**· ADR/ADN****· Excepted quantities (EQ):**

Code: E2

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 500 g

· IMDG**· Limited quantities (LQ):**

1 kg

· Excepted quantities (EQ):

Code: E2

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 500 g

· Special precautions for user:

Warning: Flammable solids, self-reactive substances and solid desensitised explosives

· Hazard identification number (Kemler code): 40**· EMS Number:**

F-A,S-G

· Stowage Category

B

· Segregation Code

SG72 See 7.2.6.3.2.

· UN "Model Regulation":

UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S. 4.1, II

*** 15 Regulatory Information****· Safety, health and environmental regulations/legislation specific for the substance or mixture:**

No further relevant information available.

· SARA (Superfund Amendments and Reauthorization):**· Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act):

108419-34-7 acetic acid, C9-11-branched alkyl esters, C10-rich

ACTIVE

· Hazardous Air Pollutants

None of the ingredients are listed.

· California Proposition 65:**· Chemicals known to cause cancer:**

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· New Jersey Right-to-Know List:

None of the ingredients are listed.

· New Jersey Special Hazardous Substance List:

None of the ingredients are listed.

· Pennsylvania Right-to-Know List:

None of the ingredients are listed.

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Trade Name: PNG-BULK

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Proprietary Component

· **Hazard statements:**

H228 Flammable solid.

H350 May cause cancer.

H304 May be fatal if swallowed and enters airways.

· **Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground / bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of previous version** 01/01/2025

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Revised on 03/21/2025

Trade Name: PNG-BULK

· **Version number of previous version: 1**

· **Date of preparation 03/21/2025**

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flammable solids 2: Flammable solids – Category 2

Carcinogenicity 1B: Carcinogenicity – Category 1B

Aspiration hazard 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

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