SAFETY DATA SHEET

Seismic Plastic Clips and H-13 Washers | Finished ABS Thermoplastic Articles | OSHA HCS 16-section format

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product names	Seismic Plastic Clip; H-13 Washer
Product form	Finished solid molded thermoplastic articles
Chemical family	Acrylonitrile / butadiene / styrene (ABS) terpolymer
SDS number	3GEN-SDS-SPC-H13-001
Recommended use	Components used with masonry anchoring and veneer-attachment systems.
Uses advised against	No additional use is specified.
Manufacturer / supplier	3GEN Masonry Products, Inc. 8620 Spruiell Street, Leeds, Alabama 35094 USA
Telephone	Toll-free 1-800-556-5785 | www.3genmp.com
Emergency (24-hour)	CHEMTREC 1-800-424-9300 (US transportation) | CANUTEC 1-613-996-6666 (Canadian transportation)
Prepared / revised	19 October 2026 | Version 1.0

SECTION 2 - HAZARDS IDENTIFICATION

GHS classification	Not classified for health or environmental hazards in finished article form. Physical hazard: combustible dust may form during processing.
Signal word	Warning
Hazard statement	May form combustible dust concentrations in air.
Pictograms	None required.
Precautionary statements	Prevent dust generation and accumulation. Keep processing dust away from heat, sparks, and ignition sources. Use adequate ventilation and appropriate personal protective equipment.
Other hazards	The finished products present minimal hazard under normal handling. Melted material is combustible and produces intense heat and dense smoke. Burning or thermal decomposition may release irritating or toxic gases and fumes. Dust or sharp edges may cause mechanical irritation. Hot material may cause thermal burns. Spilled components may create a slipping or trip hazard.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

The products are molded articles manufactured from an ABS thermoplastic compound. Exact additive concentrations are proprietary.

Component	CAS No.	Weight % / note
Acrylonitrile / butadiene / styrene terpolymer	9003-56-9	Major component; source SDS reports >=1%
N,N-Ethylenebisstearamide	110-30-5	Source SDS reports >=1%
Styrene	100-42-5	Residual; source SDS reports <0.1%

SECTION 4 - FIRST-AID MEASURES

Eye contact. Flush with plenty of lukewarm water. Obtain medical attention if irritation persists.

Skin contact. Wash affected areas with soap and water. For thermal burns, immediately cool with cold water. Do not attempt to remove material adhering to skin; obtain medical attention.

Inhalation. If exposed to gases, fumes, or dust from thermal processing, move to fresh air. Obtain medical attention if irritation or other symptoms develop and persist.

Ingestion. Not a likely route of exposure. If swallowed, obtain medical attention.

Most important symptoms. Heated material can cause thermal burns. Processing or decomposition fumes may irritate the eyes, skin, or respiratory tract and may cause nausea, drowsiness, or headache. Treat symptomatically.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable media	Water, foam, dry chemical, or carbon dioxide.
Specific hazards	Molten material and processing dust are combustible. Fine dust dispersed in air may form an explosive mixture in the presence of an ignition source. Burning or thermal decomposition can release carbon dioxide, carbon monoxide, styrene, acrylonitrile, hydrogen cyanide, and hydrocarbons.
Protective equipment	Firefighters should wear full protective equipment and positive-pressure self-contained breathing apparatus. Avoid breathing smoke, gases, or fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions. Wear appropriate protective clothing. Avoid contact with molten material and avoid breathing dust or fumes.

Cleanup. Collect finished components by hand or mechanical means. If molten, allow material to cool before placing it in a suitable marked container. Avoid dispersing dust into the air or using compressed air for cleanup. Use non-sparking tools and an appropriate explosion-safe vacuum where dust is present.

Environmental precautions. Prevent unnecessary release to drains and waterways.

SECTION 7 - HANDLING AND STORAGE

Safe handling. Handle in accordance with good industrial hygiene and safety practices. Wash after handling. Avoid breathing dust and fumes. Use adequate ventilation. Minimize dust generation and accumulation. Ground and bond processing equipment where static electricity may develop.

Storage. Store dry in a well-ventilated area away from excessive heat and ignition sources. Recommended maximum storage temperature from the source resin SDS: 82 C (179.6 F).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

No exposure limit is established for the finished products. The following limits may apply when cutting, grinding, heating, or otherwise processing the articles.

Substance	OSHA PEL	ACGIH TLV / guidance
Particulates not otherwise regulated	15 mg/m3 total; 5 mg/m3 respirable	Control nuisance dust below applicable limits
Styrene	100 ppm TWA; 200 ppm ceiling	10 ppm TWA; 20 ppm STEL
N,N-Ethylenebisstearamide	None established	None established

Engineering controls. Use general and local exhaust to control dust, vapors, fumes, and thermal decomposition products. Dust-handling equipment should be designed to prevent releases and include appropriate explosion protection.

Personal protection. Safety glasses with side shields are recommended. Wear heat-resistant gloves and protective clothing when handling heated material. If exposure limits may be exceeded, use a NIOSH-approved particulate/organic-vapor respirator under a compliant respiratory-protection program.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state / appearance	Solid molded plastic articles; appearance and color vary by product
Odor	Slight, sweet, aromatic odor may be present
pH	Not applicable
Softening point	82-107 C (179-224 F)
Flash point	388-400 C (730-752 F)
Autoignition temperature	495-510 C (923-950 F)
Decomposition temperature	Approximately 260 C (500 F)
Flammability	Finished solid articles are combustible; dust and molten material are combustible
Relative density	Approximately 1.05
Solubility	Insoluble in water
Vapor pressure / viscosity	Not applicable

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended handling and storage conditions.
Hazardous reactions	None known under normal conditions of use.
Conditions to avoid	Excessive heat, open flame, sparks, ignition sources, and accumulation or dispersion of processing dust.
Incompatible materials	None known from the source material SDS.
Hazardous decomposition	Thermal decomposition may generate carbon dioxide, carbon monoxide, styrene, acrylonitrile, hydrogen cyanide, and hydrocarbons.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely routes of exposure. Eye or skin contact and inhalation of dust, gases, or fumes generated during processing or fire. Ingestion is unlikely during normal use.

Acute effects. Finished articles are not expected to cause acute toxicity. Dust may cause mechanical eye or skin irritation. Heated material can cause thermal burns. Processing or decomposition fumes may irritate the eyes, skin, or respiratory tract and may cause nausea, drowsiness, or headache.

Chronic effects. No adverse chronic effects are expected from normal handling of the finished articles. Styrene is listed by IARC as Group 2A (probably carcinogenic to humans) and by NTP as reasonably anticipated to be a human carcinogen. The source resin SDS reports residual styrene below 0.1%; actual exposure depends on processing conditions.

Source resin data. ABS terpolymer: oral LD50 >5,000 mg/kg (rat); dermal LD50 >2,000 mg/kg (rabbit, estimated); no skin irritation, slight eye irritation, and not a dermal sensitizer in the cited tests. N,N-ethylenebisstearamide: oral LD50 >15,380 mg/kg (rat).

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Finished articles are not expected to present an acute environmental hazard under normal use. Prevent pellets, fragments, and processing residues from entering waterways.
Persistence / degradability	ABS terpolymer is not readily biodegradable.
Bioaccumulation	ABS terpolymer is reported not to bioaccumulate. Product-wide data are not available.
Mobility in soil	No data available for the finished products.
Other adverse effects	Residual styrene may be harmful to aquatic organisms; avoid uncontrolled release.

SECTION 13 - DISPOSAL CONSIDERATIONS

Reuse or recycle clean material when practical. Dispose of products and processing waste in accordance with applicable federal, state, provincial, and local requirements. The user is responsible for determining waste classification at the time of disposal.

SECTION 14 - TRANSPORT INFORMATION

DOT	Not regulated.
TDG	Not regulated.
IMDG	Not regulated.
ICAO / IATA	Not regulated.
Special precautions	Secure packaged components to prevent shifting or release during transportation.

SECTION 15 - REGULATORY INFORMATION

U.S. OSHA. The source resin SDS identifies the material as hazardous under the OSHA Hazard Communication Standard because combustible dust may form during processing.

TSCA. All components reported in the source resin SDS are listed on the U.S. TSCA Inventory.

SARA / CERCLA. Residual styrene is subject to applicable reporting requirements; the source resin SDS reports styrene below 0.1% and a CERCLA reportable quantity of 1,000 lb. SARA Sections 311/312 categories correspond to the Section 2 classification. Styrene is listed under SARA Section 313.

California Proposition 65. The source material may contain chemicals known to the State of California to cause cancer, including residual styrene and acrylonitrile. Evaluate actual product composition and exposure conditions for applicable warning requirements.

Canadian regulations. The source resin SDS reports all components listed on the Canadian DSL.

HMIS	Health 0 | Flammability 1 | Physical Hazard 0
NFPA	Health 0 | Flammability 1 | Instability 0

SECTION 16 - OTHER INFORMATION

This SDS covers 3GEN Seismic Plastic Clips and H-13 Washers manufactured as finished molded ABS thermoplastic articles. Normal installation and handling do not ordinarily generate meaningful exposure to the resin components. Cutting, grinding, melting, burning, or other processing can create dust, fumes, or thermal hazards requiring additional controls.

The information is believed accurate as of the revision date and is provided as guidance. Users must evaluate their operations, maintain appropriate controls and PPE, and comply with applicable requirements.

Prepared by	3GEN Masonry Products, Inc. - Product Technical / EHS
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Source material SDS	ABS thermoplastic resin SDS, Version 3.0, revision date 4 September 2020
Document control	3GEN-SDS-SPC-H13-001, Version 1.0
24-hour emergency	CHEMTREC 1-800-424-9300

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