

Log Gevity Bio Strip Gel

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 02/03/2015

Date of issue: 01/16/2015

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Log Gevity Bio Strip Gel

1.2. Intended Use of the Product

Paint and coatings remover

1.3. Name, Address, and Telephone of the Responsible Party

Company

American Building Restoration Products, Inc. 9720 South 60th Street Franklin, WI 53132 T 800-346-7532

1.4. Emergency Telephone Number

Emergency Number: Chemtrec 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS HAZARD CLASSIFICATION

Physical Hazards

No hazard statement

Health Hazards

Acute Toxicity (Oral): Category 4 -Harmful if swallowed, in contact with skin, inhaled

Skin Corrosion/Irritation: Category 2 - Causes skin irritation

Serious Eye Damage/Irritation: Category 1 - Causes severe eye damage

Aspiration Hazard: Category 1 -May be fatal if swallowed and enters airways

WARNING LABEL ITEMS INCLUDING PRECAUTIONARY STATEMENTS:



Pictograms:

SIGNAL WORD: DANGER!

GHS HAZARD AND PRECAUTIONARY STATEMENTS

H303 H313 H333: May be harmful if swallowed, in contact with skin or if inhaled

P101+102+103: If medical advice is needed, have product container or label at hand. Keep out of the reach of children. Read label before use.

P202+270+280+281: Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Sodium Metasilicate Anhydrous	< 5%	6834-92-0

SECTION 4: FIRST AID MEASURES

BREATHING (INHALATION): Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Seek medical attention immediately. Qualified medical personnel should consider administering oxygen.

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SWALLOWING (INGESTION): Give large amounts of fresh water or milk immediately. Do not give anything by mouth if person is unconscious or otherwise unable to swallow. If vomiting occurs, keep head below hips to prevent aspiration. Treat symptomatically and supportively. Seek medical attention immediately.

EYES: Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

SKIN (DERMAL): Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop.

NOTE TO PHYSICIAN: May cause caustic burns to the mouth, throat or stomach if swallowed. After swallowing there is a danger of stomach perforation. On inhalation: Irritation of mucous membrane, coughing and shortness of breath. All treatments should be based on observed signs and symptoms of distress in the patient. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred

SECTION 5: FIRE-FIGHTING MEASURES

GENERAL FIRE HAZARDS Fire fighters should wear full protective clothing, including self-contained breathing equipment.

AUTOIGNITION TEMP NA

EXTINGUISHING MEDIA: Determined by surrounding material. In case of fire, use water fog, dry chemical, CO₂, or "alcohol" foam.

SPECIAL FIRE FIGHTING PROCEDURES

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Spilled product may be slippery

UNUSUAL FIRE AND EXPLOSION HAZARDS:.....Containers may explode from internal pressure if confined to fire. Cool with water spray

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES Wear appropriate personal protective equipment before approaching spill site. For small spills, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations.

WASTE DISPOSAL Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

RCRA STATUS Sodium Metasilicate, if discarded or spilled, as well as other wastes generated during use of Sodium Metasilicate or containing Sodium Metasilicate may exhibit one or more hazardous waste characteristics under 40 CFR 261.24: D002 – Corrosive.

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SECTION 7: HANDLING AND STORAGE

STORAGE:.....Keep in a tightly closed container, stored in a cool, dry, ventilated area below 44°C (110°F). Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Drum must not be washed out or used for other purposes.

HANDLING:.....Avoid contact with eyes, skin and clothing. Do not inhale vapors and fumes. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. For industrial use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	PEL	TLV-TWA	NOTES
Sodium Metasilicate Anhydrous	2 mg/m ³	2 mg/m ³	



EXPOSURE CONTROLS:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

RESPIRATORY PROTECTION:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998.

Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information

PROTECTIVE CLOTHING:

Eye/face protection:

Wear chemical goggles; face shield (if splashing is possible).

Skin protection:

Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

ADDITIONAL MEASURES:

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	Not Applicable
FREEZING POINT:	NA
FLASHPOINT:	Non-flammable material

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UPPER FLAME LIMIT (%):	NA
LOWER FLAME LIMIT (%):	NA
VAPOR PRESSURE:	ND
VAPOR DENSITY (AIR=1):	ND
SPECIFIC GRAVITY:	Approximately 0.997 to 1.004. @ 25°C
pH:	1% solution 14.0
SOLUBILITY IN WATER	Complete
VOLATILITY INCLUDING WATER:	None
MOLECULAR WEIGHT	NA
EVAPORATION RATE	NA
PHYSICAL STATE	Gel
COLOR	Brown
ODOR	Mild
STABILITY:	Stable
Hazardous Decomposition .:	Will not occur

INCOMPATIBILITY:

Avoid direct contact with water and strong acids. Add slowly to water or acids with dilution and agitation to avoid exothermic reaction. Avoid contact with aluminum, tin, zinc, leather, and organic halogen or nitro compounds. Sodium metasilicate in contact with acids and organic halogen compounds may cause violent reactions. Contact with metals such as aluminum, magnesium, tin, and zinc may cause formation of flammable hydrogen gas. Precautions should be taken including monitoring the tank atmosphere for hazardous gases to ensure safety of personnel before vessel entry.

HAZARDOUS REACTIONS:

Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

SECTION 11: TOXICOLOGICAL INFORMATION

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. **ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. **NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. **OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

THRESHOLD LIMIT VALUE: 2 mg/m³

OSHA PEL: 2 mg/m³

LISTED CARCINOGEN: This product **IS NOT** listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA

MEDICAL CONDITION

AGGRAVATED: Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Respiratory system. Eyes. Skin.

INFORMATION ON ACUTE TOXICOLOGICAL EFFECTS

ORAL

Product: Ingestion may cause a burning sensation in the mouth, irritation of the lips, mouth, tongue and pharynx, and esophageal and abdominal pain, vomiting of blood and large pieces of mucosa, and bloody diarrhea. Asphyxia can occur from swelling of the throat. Mediastinitis, alkalemia, pallor, weak, slow pulse, cardiovascular collapse, shock, coma and death may occur.

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DERMAL

Product: Direct contact with wet material or by moist skin may cause severe irritation, pain, and possibly burns.

INHALATION

Product: Inhalation of dusts may cause irritation of the upper respiratory tract with sore throat, coughing and shortness of breath. Upon contact with moist mucous membranes, sodium metasilicate is highly alkaline and may cause corrosive damage. May cause severe irritation of the respiratory tract with coughing, choking, pain and possibly burns of the mucous membranes. In some cases, pulmonary edema and/or pneumonia may develop, either immediately or more often within 72 hours. The symptoms may include tightness in the chest, dyspnea, frothy sputum, cyanosis, and dizziness. Physical findings may include moist rales, low blood pressure and high pulse pressure.

REPEATED DOSE TOXICITY

Product: No Data Available

SKIN CORROSION/IRRITATION

Product: Effects are dependent upon concentration and duration of exposure. Dermatitis or effects similar to those for acute exposure may occur.

SERIOUS EYE DAMAGE / IRRITATION

Product: Dust or mist may cause severe irritation, pain and corneal burns (possibly leading to blindness). The full extent of the injury may not be immediately apparent.

RESPIRATORY OR SKIN SENSITIZATION

Product: Not expected to be sensitizing based on tests of this product, components, or similar products.

MUTAGENICITY

IN VITRO

Product: No Data Available

INVIVO

Product: No Data Available.

Specified Substance(s) Information as provided by manufacturer

Sodium Metasilicate No Data Available

CARCINOGENICITY

Product: This product is **not classified as a carcinogen** by NTP, IARC or OSHA.

REPRODUCTIVE TOXICITY

Product: Based on available data the classification criteria are not met. Not classified as hazardous.

SPECIFIC TARGET ORGAN TOXICITY –SINGLE EXPOSURE

Product:

GENERAL: This product contains highly alkaline ingredients.

INHALATION: Exposure to vapor, mist or liquid can cause mild to severe irritation to the respiratory tract, including chemical burns. Severe exposures could result in chemical pneumonia.

EYES: Contact can cause severe damage including burns and blindness. The severity of the effects depend on concentration and how soon after exposure the eyes are washed.

SKIN: Brief contact may cause slight to mild irritation with itching and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain, local redness and swelling and possible tissue damage.

INGESTION: Severe irritant. May cause severe burns of the mucous membranes of the mouth, esophagus, and stomach.

SPECIFIC TARGET ORGAN TOXICITY –REPEATEDEXPOSURE

Product: May cause damage to the following organs: lungs, gastrointestinal tract, upper respiratory tract, skin, eyes.
Contains material which may cause damage to the following organs: eye, lens or cornea, stomach.

ASPIRATION HAZARD

Product: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause chemical pneumonia.

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OTHER ADVERSE EFFECTS

Product: No data available

SECTION 12: ECOLOGICAL INFORMATION

ACUTE TOXICITY

FISH

Product: This material has exhibited moderate toxicity to aquatic organisms.

AQUATIC INVERTEBRATES

Product: This material has exhibited moderate toxicity to aquatic organisms.

CHRONIC TOXICITY FISH

Product: This material has exhibited moderate toxicity to aquatic organisms.

AQUATIC INVERTEBRATES

Product: This material has exhibited slight toxicity to terrestrial organisms.

TOXICITY TO AQUATIC PLANTS

Product: Freshwater algae are destroyed above pH 8.5.

PERSISTENCE AND DEGRADABILITY

BIODEGRADATION

Product: This material is inorganic and not subject to biodegradation.

BIOLOGICAL OXYGEN DEMAND

Product: No data available

CHEMICAL OXYGEN DEMAND

Product: No data available

BOD / COD RATIO

Product: No data available

BIOACCUMULATIVE POTENTIAL

Product: Sodium Metasilicate does not bio-accumulate due to its high solubility in water. It is considered slightly toxic to aquatic organisms unless there is a significant pH shift outside the range of 5–10; this change may be toxic to aquatic organisms.

MOBILITY IN SOIL

Product: Expected to partition to water. The pH effect of sodium metasilicate in water is naturally reduced by the absorption of atmospheric carbon dioxide. This reduction is also effected by dilution with water and by the natural acidity of a given waterbody. There is no degradation of sodium metasilicate in waters, only loss by absorption or through chemical neutralization.

RESULTS OF PBT AND mPvB ASSESSMENT

Product: Not fulfilling PBT (persistent/bio-accumulative/toxic) criteria. Not fulfilling vPvB (very persistent, very bio-accumulative) criteria.

OTHER ADVERSE EFFECTS

Product: This material is believed to persist in the environment

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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SECTION 14: TRANSPORT INFORMATION

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials /Dangerous Goods expert for information specific to your situation.



UN/NA NUMBER: 3262
PROPER SHIPPING NAME: Corrosive solid, basic, inorganic, n.o.s., Contains (Sodium Metasilicate)
HAZARD CLASS: None
PACKAGING GROUP: None
LETTER: C (Corrosive substances)
ENVIRONMENTAL HAZARD: Sodium Metasilicate is not expected to bio-accumulate due to its high solubility in water. It is considered slightly toxic to aquatic organisms unless there is a significant pH shift outside the range of 5 –10, which may be toxic to aquatic organisms.
REPORTABLE QUANTITY: None

SECTION 15: REGULATORY INFORMATION

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. This SDS complies with 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD).

IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

EPA SRA Title III Chemical Listings:

TSCA STATUS: This product is listed on the TSCA inventory. If this product is a blend, all ingredients in the product are listed on the TSCA Inventory List. Any impurities present in this product are exempt from listing.

SECTION 302: None
SECTION 304: None
SECTION 312: SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370): None
SARA SECTION 313: SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372): This product does not contain any toxic chemicals subject to the reporting requirements of Section 313, Title III of the SARA (Superfund Amendments and Reauthorization Act) of 1986.

ACUTE: Yes
CHRONIC: No
FIRE: No
PRESSURE: No
REACTIVE: No

CLEAN WATER ACT: None

IMDG –International Marine Dangerous Goods Code
UN3262, Corrosive solid, basic, inorganic, n.o.s. (SODIUM METASILICATE), 8, PG II
IATA
UN3262, Corrosive solid, basic, inorganic, n.o.s. (SODIUM METASILICATE), 8, PG II
DEA Chemical Trafficking Act: No

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SECTION 16: OTHER INFORMATION. INCLUDING DATE OF PREPARATION OR LAST REVISION

HMIS*

HEALTH	
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	H

HAZARD INDEX: 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard. HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS and product label must be considered.

Party Responsible for the Preparation of This Document



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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.

North America GHS US 2012 & WHMIS 2