

# SAFETY DATA SHEET FOR STATBOND 5010 2-PART PU ADHESIVE

ACCORDING TO FEDERAL REGISTER / VOL. 77, NO. 58 / MONDAY, MARCH 26, 2012 / RULES AND REGULATIONS.

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Name of the Product:** STATBOND 5010 A, Mixture  
**Recommended Use:** No use is specified  
**Company:** StaticWorx, P. O. Box 1556, Williston, VT 05495  
**Telephone Number for Information:** (617) 923-2000  
**Emergency Phone Number:** 800-255-3924 or Local Poison Control Center

## SECTION 2: HAZARD(S) IDENTIFICATION

**Classification (GHS-US):** Skin Irrit. 2 H315  
 Eye Dam. 1 H318  
 Skin Sens. 1 H317  
 Repr. 2 H361  
 Aquatic Acute 2 H401  
 Aquatic Chronic 3 H412  
 Full text of H-phrases: see section 16

**Hazard Pictograms (GHS-US):**



**Signal Word (GHS-US):** Danger

**Hazard Statement:**  
 H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H318 - Causes serious eye damage.  
 H361 - Suspected of damaging fertility or the unborn child.  
 H401 - Toxic to aquatic life.  
 H412 - Harmful to aquatic life with long lasting effects.

**Precautions Statements:**  
 P261 - Avoid breathing vapors, mist, or spray.  
 P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves, protective clothing, face shield, eye protection.  
 P302+P352 - If ON SKIN: Wash with plenty of water.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Other Hazards:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**Unknown Acute Toxicity (GHS-US):** Not available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****Mixture**

Name	Product Identifier	% (w/w)
Oxirane, methyl-, polymer with oxirane, ether with 1,2-propanediol (2:1), polymer with 1,3-diisocyanatomethylbenzene, nonylphenol-blocked (Polyurethane Prepolymer)	(CAS No) 102900-03-8	15 - 40
Bisphenol A-epichlorohydrin polymer	(CAS No) 25068-38-6	15 - 40
Alkyl (C12-14) glycidyl ether	(CAS No) 68609-97-2	7 - 13
Carbon black*	(CAS No) 1333-86-4	1 - 5
Propanol, oxybis-, dibenzoate	(CAS No) 27138-31-4	1 - 5
Phenol, 4-nonyl-, branched	(CAS No) 84852-15-3	1 - 5

\*This product contains a material that may be hazardous when present as an airborne dust. Since this product is in a liquid form, the material is not able to become airborne and cannot be inhaled. Thus, the hazards usually associated with this material are not applicable to this product.

**SECTION 4: FIRST AID MEASURES**

- General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
- Skin Contact:** Immediately flush skin with plenty of water for at least 60 minutes. Remove/Take off immediately all contaminated clothing. Get immediate medical advice/attention.
- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.
- Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.
- Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Most Important Symptoms and Effects Both Acute and Delayed**

- General:** Causes serious eye damage. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause an allergic skin reaction. Causes skin irritation.
- Skin Contact:** May cause an allergic skin reaction. Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
- Eye Contact:** Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes permanent damage to the cornea, iris, or conjunctiva.
- Ingestion:** Not available.
- Inhalation:** May cause respiratory irritation.
- Chronic Symptoms:** Suspected of damaging fertility or the unborn child. May cause an allergic skin reaction.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).

**SECTION 5: FIRE FIGHTING MEASURES****Extinguishing Media**

- Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, dry chemical, or sand.
- Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**Special Hazards Arising From the Substance or Mixture**

- Fire Hazard:** Potentially violent decomposition can occur above 350 °C.
- Explosion Hazard:** Product is not explosive but if hazardous polymerization occurs can have an oxidizing effect that could lead to fire and possible explosion.
- Reactivity:** Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.

**Advice for Firefighters**

- Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
- Firefighting Instructions:** Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
- Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.
- Hazardous Combustion Products:** Under fire conditions this material may produce hazardous carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.

Reference to Other Sections

Refer to section 9 for flammability properties.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- Personal Precautions:** Avoid all contact with skin, eyes, or clothing. Avoid breathing vapor, mist, or spray. Use only outdoors or in a well-ventilated area.
- For Non-Emergency Personnel:** *Protective Equipment:* Use appropriate personal protection equipment (PPE). *Emergency Procedures:* Evacuate unnecessary personnel.
- For Emergency Personnel:** *Protective Equipment:* Equip cleanup crew with proper protection. *Emergency Procedures:* Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.
- Environmental Precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
- Methods For Cleaning Up:** Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.
- Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not take up in combustible material such as: saw dust or cellulosic material.

**Reference to Other Sections:**

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

**SECTION 7: HANDLING AND STORAGE**

<b>Hygiene Measures:</b>	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
<b>Additional Hazards When Processed:</b>	The substance will polymerize due to heating, on contact with peroxides, and under the influence of light. Heating may cause violent combustion or explosion producing acrid smoke. The substance may also spontaneously polymerize if it is not stabilized. Product to be handled in a closed system and under strictly controlled conditions.
<b>Technical Measures:</b>	Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.
<b>Proper Storage:</b>	Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures, and incompatible materials.
<b>Incompatible Materials:</b>	Strong acids. Strong bases. Strong oxidizers.
<b>Specific End Use(s):</b>	No use is specified.

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION****Control Parameters**

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

**Carbon black (1333-86-4)**

Mexico	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
Mexico	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable fraction)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup> 0.1 mg/m <sup>3</sup> (Carbon black in presence of Polycyclic aromatic hydrocarbons)
USA IDLH	US IDLH (mg/m <sup>3</sup> )	1750 mg/m <sup>3</sup>
Alberta	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
British Columbia	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable)
Manitoba	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable fraction)
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
Newfoundland & Labrador	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable fraction)
Nova Scotia	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable fraction)
Nunavut	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>

Ontario	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable)
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable fraction)
Québec	VEMP (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
Saskatchewan	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
Yukon	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
Yukon	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>

**Appropriate Engineering Controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure, but are not required. Product to be handled under strictly controlled conditions. Ensure all national/local regulations are observed. Gas detectors should be used when toxic gases may be released. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits.

**Individual Protection Measures:**

Protective goggles. Gloves. Protective clothing. Face shield. Insufficient ventilation: wear respiratory protection.

**Materials for Protective Clothing:**

Chemically resistant materials and fabrics.

**Hand Protection:**

Wear chemically resistant protective gloves.

**Eye Protection:**

Chemical goggles or safety glasses.

**Skin and Body Protection:**

Wear suitable protective clothing.

**Respiratory Protection:**

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Environmental Exposure Controls:**

Do not allow the product to be released into the environment.

**Consumer Exposure Controls:**

Do not eat, drink, or smoke during use.

**SECTION 9: PHYSICAL PROPERTIES**

<b>Physical State:</b>	Paste
<b>Appearance:</b>	Thick Black Paste
<b>Odor:</b>	Not available
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Melting Point:</b>	Not available
<b>Freezing Point:</b>	32 °F
<b>Boiling Point:</b>	≈ 425 °F (218 °C)
<b>Flash Point (TCC):</b>	> 200 °F (93 °C)
<b>Auto-ignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Lower Flammable Limit:</b>	Not available
<b>Upper Flammable Limit:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Relative Vapor Density at 20 °C:</b>	Not available
<b>Relative Density:</b>	Not available

<b>Specific Gravity:</b>	1.1
<b>Solubility:</b>	Not available
<b>Partition Coefficient:</b>	
<b>N-Octanol/Water:</b>	Not available
<b>Viscosity:</b>	250,000 – 400,000 cps
<b>Explosion Data – Sensitivity to Mechanical Impact:</b>	Not expected to present an explosion hazard due to mechanical impact.
<b>Explosion Data – Sensitivity to Static Discharge:</b>	Not expected to present an explosion hazard due to static discharge.

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials. Chemical Stability:
<b>Chemical Stability:</b>	Stable under recommended handling and storage conditions (see Section 7).
<b>Conditions to Avoid:</b>	Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
<b>Incompatible Materials:</b>	Strong acids, strong bases, strong oxidizers.
<b>Hazardous Decomposition Products:</b>	Under fire conditions this material may produce hazardous carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), various low molecular weight hydrocarbons, and smoke.
<b>Hazardous Reactions:</b>	Hazardous polymerization will not occur under normal conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity:</b>	Not classified
<b>LD50 and LC50 Data:</b>	Not available
<b>Skin Corrosion/Irritation:</b>	Causes skin irritation
<b>Serious Eye Damage/Irritation:</b>	Causes serious eye damage
<b>Respiratory or Skin Sensitization:</b>	May cause an allergic skin reaction
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Teratogenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	Not classified
<b>Reproductive Toxicity:</b>	Suspected of damaging fertility or the unborn child
<b>Specific Target Organ Toxicity (Single Exposure):</b>	Not classified
<b>Aspiration Hazard:</b>	Not classified
<b>Symptoms/Injuries after Inhalation:</b>	May cause respiratory irritation.
<b>Symptoms/Injuries after Skin Contact:</b>	May cause an allergic skin reaction. Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
<b>Symptoms/Injuries after Eye Contact:</b>	Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes permanent damage to the cornea, iris, or conjunctiva..
<b>Chronic Symptoms:</b>	Suspected of damaging fertility or the unborn child. May cause an allergic skin reaction.

**Information on Toxicological Effects - Ingredient(s)****LD50 and LC50 Data:**

Carbon black (1333-86-4)

**LD50 Oral Rat:** > 8000 mg/kg

Bisphenol A-epichlorohydrin polymer (25068-38-6)

**LD50 Oral Rat** > 2000 mg/kg**LD50 Dermal Rat** > 2000 mg/kg

Phenol, 4-nonyl-, branched (84852-15-3)

**LD50 Oral Rat** 580 mg/kg**LD50 Dermal Rabbit** 2031 mg/kg

Carbon black (1333-86-4)

**IARC Group** 2B**OSHA Hazard Communication****Carcinogen List** In OSHA Hazard Communication Carcinogen list.**SECTION 12: ECOLOGICAL INFORMATION****Toxicity**

Ecology - General: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**Carbon black (1333-86-4):**

EC50 Daphnia 1 5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)

**Bisphenol A-epichlorohydrin polymer (25068-38-6):**

LOEC (acute) 1 mg/l Daphnia magna

NOEC chronic crustacea 0.3 mg/l Daphnia magna

**Phenol, 4-nonyl-, branched (84852-15-3):**

LC50 Fish 1 0.135 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

EC50 Daphnia 1 0.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)

LC 50 Fish 2 0.1351 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])

Persistence and Degradability Not available

**Bioaccumulative Potential****Phenol, 4-nonyl-, branched (84852-15-3):**

BCF Fish 1 271

Mobility in Soil Not available

Other Information Avoid release to the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Sewage Disposal Methods:</b>	This material is hazardous to the aquatic environment. Keep out of sewers and waterways.
<b>Waste Disposal Methods:</b>	Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.
<b>Ecology – Waste Materials:</b>	Avoid release to the environment.

**SECTION 14: TRANSPORTATION INFORMATION**

<b>In Accordance with DOT:</b>	Not regulated for transport
<b>In Accordance with IMDG:</b>	Not regulated for transport
<b>In Accordance with IATA:</b>	Not regulated for transport
<b>In Accordance with TDG:</b>	Not regulated for transport

**SECTION 15: REGULATORY INFORMATION****US Federal Regulations**

**SARA Section 311/312 Hazard Classes**      Immediate (acute) health hazard    Delayed (chronic) health hazard

**Carbon black (1333-86-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Bisphenol A-epichlorohydrin polymer (25068-38-6)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Phenol, 4-nonyl-, branched (84852-15-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on United States SARA Section 313

**EPA TSCA Regulatory Flag**

T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule.

**SARA Section 313 - Emission Reporting**

1.0 %

**Alkyl (C12-14) glycidyl ether (68609-97-2)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag**

T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

**Propanol, oxybis-, dibenzoate (27138-31-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Oxirane, methyl-, polymer with oxirane, ether with 1,2-propanediol (2:1), polymer with 1,3-diisocyanatomethylbenzene, nonylphenol-blocked (102900-03-8)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**US State Regulations**

**Carbon black (1333-86-4)** U.S. - Massachusetts – Right-to-Know List  
U.S. - New Jersey - Right-to-Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances  
U.S. - Pennsylvania - RTK (Right-to-Know) List

**Canadian Regulations**

**WHMIS Classification** Class D Division 2 Subdivision A - Very toxic material causing other toxic effects  
Class D Division 2 Subdivision B - Toxic material causing other toxic effects  
Class E - Corrosive Material

**Carbon black (1333-86-4)**

Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure List)  
IDL Concentration 1 %

**WHMIS Classification** Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

**Bisphenol A-epichlorohydrin polymer (25068-38-6)**

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification** Class D Division 2 Subdivision B - Toxic material causing other toxic effects

**Phenol, 4-nonyl-, branched (84852-15-3)**

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification** Class D Division 2 Subdivision A - Very toxic material causing other toxic effects  
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

**Alkyl (C12-14) glycidyl ether (68609-97-2)**

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification** Class D Division 2 Subdivision B - Toxic material causing other toxic effects

**Propanol, oxybis-, dibenzoate (27138-31-4)**

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification** Uncontrolled product according to WHMIS classification criteria

**Oxirane, methyl-, polymer with oxirane, ether with 1,2-propanediol (2:1), polymer with 1,3-diisocyanatomethylbenzene, nonylphenol-blocked (102900-03-8)**

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification** Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

**SECTION 16: OTHER INFORMATION**

<b>Revision Date</b>	05/11/2015
<b>Other Information:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
<b>GHS Full Text Phrases:</b>	H315: Causes skin irritation H317: May cause an allergic skin reaction H318: Causes serious eye damage H361: Suspected of damaging fertility or the unborn child H401: Toxic to aquatic life H402: Harmful to aquatic life

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.