



**PRODUCT: TYTAN® GRAB AND SEAL**

Material Safety Data Sheet

**1. Company and Product Identification**

**Product type:** TYTAN® GRAB & SEAL RUBBER SEALANT

**Product description:** Enhanced Rubber Sealant

National Fire Protection Association (NFPA) Profile  
 Health: 0  
 Flammability: 3  
 Instability/Reactivity: 0

**Manufacturer:** SELENA USA, Inc.  
 21715 Beck Drive,  
 Elkhart, IN 46516  
 USA

**Phone number:** (574)-523-0400; (877)-735-3627(toll free)

**Emergency phone number:** CHEMTREC +1 (800) 424-9300

**Website:** [www.SelenaUSA.com](http://www.SelenaUSA.com)

**2. Hazards Identification**

The potential effects of overexposure listed below are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. For toxicology information, refer to Section 11.

Acute Effects:

**Eye:** Direct contact may cause significant irritation.

**Skin:** May cause significant irritation.

**Inhalation:** Irritates respiratory passages very slightly. Vapor overexposure may cause drowsiness.

**Oral:** Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects:

**Skin:** Overexposure may cause dermatitis due to the degreasing effects of the solvent.

**Inhalation:** Overexposure may cause headache, nausea and unconsciousness.

**Oral:** Repeated ingestion or swallowing large amounts may injure internally.

Signs and Symptoms of Overexposure: headache, nausea and unconsciousness.

Comments: Use in well-ventilated area. Product is flammable.



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**3. OSHA Hazard Components**

<u>CAS Number</u>	<u>Wt [%]</u>	<u>Component name</u>
123-86-4	1.0 40.0	n- butyl acetate

The above components are hazardous as defined in 29 CFR 1910.1200

**4. First Aid Measures**

- Eye:** Rinse opened eyes for several minutes under running water. If symptoms persist, get medical attention.
- Skin:** Wash thoroughly with soap and water.
- Inhalation:** Remove to fresh air. Get medical attention.
- Oral:** Do not induce vomiting. Get immediate medical attention.
- Comments:** Treat according to person's condition and specifics of exposure.

**5. Fire-Fighting Measures**

- Suitable extinguishing media:** On large fires use extinguishing powder, or water spray, or alcohol resistant foam. On small fires use carbon dioxide (CO<sub>2</sub>), extinguishing powder or water spray. Water can be used to cool fire exposed containers.
- Flash point:** 25°C (77°F)
- Explosion limits:**
- Lower:** 1.2 vol.%
- Upper:** 7.5 vol.%
- Danger of explosion:** Product is not explosive. However, formations of explosive air/vapor mixtures are possible.
- Protective equipment:** Wear self-contained respiratory protective device.
- Fire Fighting Measure:** Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to our local emergency pln. Use water spray to keep fire exposed containers cool.
- Usual fire hazards:** None

**6. Accidental Release Measures**

- Person-related safety precautions:** Ensure adequate ventilation. Keep away from ignition sources.



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<b>Measures for environmental protection:</b>	Do not allow to enter sewers/surface or ground water.
<b>Measures for cleaning/collecting:</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Dispose contaminated materials as waste according to Section 13.

**7. Handling and Storage**

**Handling:** Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away – do not smoke. Protect against electrostatic charges.

**Storage:** Keep container closed and store in cool location, in the temperature below 60°C (140°F).

**8. Exposure Control / Personal Protection**

**Component exposure limits:**

<u>CAS Number</u>	<u>Component Name</u>	<u>Exposure Limits</u>
123-86-4	n-butyl acetate	see below comments

PEL: 710 mg/m<sup>3</sup>, 150 ppm  
REL: Short-term value: 950 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 710 mg/m<sup>3</sup>, 150 ppm  
TLV: Short-term value: 950 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 713 mg/m<sup>3</sup>, 150 ppm

**Engineering measures:**  
Local ventilation: recommended.  
General ventilation: recommended.

**Personal protective equipment for usual handling:**

**Eyes:** Use full face respirator.

**Skin:** Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

**Inhalation:** Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Precautionary measures:** Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.



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**9. Physical and Chemical Properties**

<b>Physical form:</b>	Paste
<b>Color:</b>	CLEAR
<b>Odor:</b>	Mild, characteristic
<b>Specific gravity@25°C:</b>	0.89 g/cm <sup>3</sup>
<b>Viscosity:</b>	15,000 mPas
<b>Freezing/Melting Point:</b>	Not determined
<b>Boiling Point:</b>	Not determined
<b>Vapor Pressure@25°C:</b>	Not determined
<b>Vapor density:</b>	Not determined
<b>Solubility in Water:</b>	Not determined
<b>pH:</b>	Not determined
<b>VOC Content:</b>	287 g/L

Note: The above information is not intended for use in preparing product specification.

**10. Stability and Reactivity**

<b>Chemical stability:</b>	Stable.
<b>Hazardous polymerization:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	None.
<b>Materials to avoid:</b>	Strong oxidants, strong alkali

**11. Toxicological Information**

- Primary irritant effect:
- on the skin: No irritant effect.
  - On the eye: No irritant effect.

**12. Ecological Information**

General notes:

Do not allow undiluted product or large quantities of t to reach ground water, water course or sewage.

**13. Disposal Consideration**

RCRA Hazard Class (40 CFR 261):

Chemical waste generators must determine if a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3.

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Additionally waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

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

**14. Transport Information****DOT Road Shipment Information (49 CFR 172.101)**

ADR/RID class: 3 Flammable liquids

UN/NA Number: 1993

Label: 3

Description of goods: 1993 FLAMMABLE LIQUIDS, N.O.S.

**Ocean Shipment (IMDG)**

not required

**Air Shipment (IATA)**

not required

**15. Regulatory Information**

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**EPA SARA Title III Chemical Listings:****Section 302 Extremely Hazardous Substances (40 CFR 355):**

None.

**Section 304 CERCLA Hazardous Substances (40 CFR 302):**

This product contains the following chemical subject(s) to reporting under SARA Title III,

Section 304 CERCLA: CAS# 123-86-4 n-butyl acetate (CERCLA RQ – 5,000)

**Section 313 Toxic Chemicals (40 CFR 372):**

None present or none present in regulated quantities.

**Supplemental State Compliance Information:****California**

This product does not contain any chemicals on California's Proposition 65 List.



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**Risk phrases:**

Flammable.  
Repeated exposure may cause skin dryness or cracking.

**Safety phrases:**

Keep out of the reach of children.  
Do not breathe gas/fumes/vapors/spray.  
Avoid contact with skin and eyes.  
Do not empty into drains.  
If swallowed, get medical attention immediately and show this container or label.

**16. Other information**

All information, recommendation or advice contained in this document or given by Selena USA, Inc. or any of its subsidiaries, affiliates or authorized representatives, whether written or oral, is given in good faith, to the best of its knowledge and based on current procedure in effect. Each user of the product shall convince himself, through all available sources (including finished product testing in its appropriate environment) of the suitability of the product supplied for its own particular purpose. Selena Co. SA, its subsidiaries and affiliates cannot be held responsible for any loss incurred through incorrect or faulty use of the product. The Material Safety Data Sheet related exclusively to the described product. In case of applying it as a component of the other product, the MSDS is no more valid.