



## 802 - Adhesive Size

### Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
 Revision date: 07/01/2015 Supersedes: 01/01/2014 Version: 1.0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name : 802 - Adhesive Size  
 Product form : Mixture  
 Other means of identification : Water based liquid adhesive

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.3. Details of the supplier of the safety data sheet

Applied Products, Inc.  
 13152 East Imperial Highway  
 Santa Fe Springs, CA 90670  
 U.S.A.  
 Phone: 888.700.5527  
 Fax: 562.926.7382

##### 1.4. Emergency telephone number

Emergency number : CHEMTREC: (800) 424-9300

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

##### GHS-US classification

Carc. 2 H351

##### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) :

**Warning**

Hazard statements (GHS-US) :

H351 - Suspected of causing cancer

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
 P202 - Do not handle until all safety precautions have been read and understood  
 P280 - Wear eye protection, protective clothing, protective gloves  
 P308+P313 - If exposed or concerned: Get medical advice/attention  
 P405 - Store locked up  
 P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

##### 2.3. Other hazards

No additional information available

##### 2.4. Unknown acute toxicity (GHS US)

No data available

#### SECTION 3: Composition/information on ingredients

##### 3.1. Substance

Not applicable

##### 3.2. Mixture

Name	Product Identifier	%
2-Butenedioic acid (Z)-, dioctyl ester, polymer with ethenyl acetate and 2-ethylhexyl 2-propenoate	(CAS No) 25280-35-7	15 - 40

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Name	Product Identifier	%
Vinyl acetate	(CAS No) 108-05-4	0.1 - 1
Acetaldehyde	(CAS No) 75-07-0	0.1 - 1

**SECTION 4: First aid measures****4.1. Description of first aid measures**

- First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

**4.2. Most important symptoms and effects, both acute and delayed**

- Symptoms/injuries : Suspected of causing cancer.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : May cause skin irritation.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion : May cause gastrointestinal irritation.
- Chronic symptoms : Suspected of causing cancer.

**4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media : Carbon dioxide. Dry powder. Water spray.

**5.2. Special hazards arising from the substance or mixture**

- Fire hazard : The product is not flammable.
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known under normal conditions of use.

**5.3. Advice for firefighters**

- Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

**6.1.1. For non-emergency personnel**

- Protective equipment : Wear Protective equipment as described in Section 8.
- Emergency procedures : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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**6.3. Methods and material for containment and cleaning up**

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Product may create slip hazard. Take up liquid spill into absorbent material. This material and its container must be disposed of in a safe way, and as per local legislation.

**6.4. Reference to other sections**

See Sections 8 and 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

- Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Mixing without introduction of air may be necessary before use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**7.2. Conditions for safe storage, including any incompatibilities**

- Storage conditions : Store in a well-ventilated place. Keep the container tightly closed. Avoid temperature extremes. Avoid freezing.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

<b>2-Butenedioic acid (Z)-, dioctyl ester, polymer with ethenyl acetate and 2-ethylhexyl 2-propenoate (25280-35-7)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Vinyl acetate (108-05-4)</b>	
ACGIH TWA (ppm)	10
ACGIH STEL (ppm)	15
<b>Acetaldehyde (75-07-0)</b>	
ACGIH Ceiling (ppm)	25
Remark (ACGIH)	Eye & URT irr; A2
OSHA PEL (TWA) (mg/m <sup>3</sup> )	360
OSHA PEL (TWA) (ppm)	200
OSHA PEL (STEL) (mg/m <sup>3</sup> )	270
OSHA PEL (STEL) (ppm)	150

**8.2. Exposure controls**

- Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

- Personal protective equipment : Gloves. Protective goggles. Protective clothing.



- Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

- Eye protection : Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

- Skin and body protection : Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

- Respiratory protection : Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Color	: Milky. White.
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100 °C (212 °F) (Water)
Flash point	: Not determined
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: Same as water
Relative vapour density at 20 °C	: Same as water
Relative density	: ≈ 1.1 @ 24 °C (75 °F) (Water = 1)
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

**9.2. Other Information**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No dangerous reactions known under normal conditions of use.

**10.2. Chemical stability**

Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

Keep from freezing.

**10.5. Incompatible materials**

None known.

**10.6. Hazardous decomposition products**

Thermal decomposition generates : Toxic fumes.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : Not classified

**Vinyl acetate (108-05-4)**

LD50 oral rat : 2920 mg/kg

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<b>Vinyl acetate (108-05-4)</b>	
LD50 dermal rabbit	2320 mg/kg
LC50 inhalation rat (mg/l)	11.4 mg/l/4h
LC50 inhalation rat (ppm)	3200 ppm/4h
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h
<b>Acetaldehyde (75-07-0)</b>	
LC50 inhalation rat (ppm)	13000 ppm/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
<b>Vinyl acetate (108-05-4)</b>	
IARC group	2B - Possibly carcinogenic to humans
<b>Acetaldehyde (75-07-0)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: Suspected of causing cancer.

**SECTION 12: Ecological information**

**12.1. Toxicity**  
Ecology - general : No information available.

**12.2. Persistence and degradability**

<b>802 - Adhesive Size</b>	
Persistence and degradability	Readily biodegradable.

**12.3. Bioaccumulative potential**

<b>802 - Adhesive Size</b>	
Bioaccumulative potential	No information available.

**12.4. Mobility in soil**

<b>802 - Adhesive Size</b>	
Ecology - soil	No information available.

**12.5. Other adverse effects**

Other adverse effects : No data available.

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**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

- Waste treatment methods** : Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.
- Waste disposal recommendations** : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

**SECTION 14: Transport information**

In accordance with DOT

Not hazardous for transport

**Additional information****Other information** : No supplementary information available.**Transport by sea**

No additional information available

**Air transport**

No additional information available

**SECTION 15: Regulatory information****15.1. US Federal regulations****802 - Adhesive Size**

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

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

**Vinyl acetate (108-05-4)**

Section 302 (EHS) TPQ      1000 lb

Section 304 EHS RQ      5000 lb

CERCLA RQ      5000 lb

Section 313      Listed on US SARA Section 313

**3,5,7-Triaza-1-azoniatricyclodecane-1-(3-chloro-2-propenyl)-, chloride (4080-31-3)**

Section 302 (EHS) TPQ

Section 304 EHS RQ

CERCLA RQ

Section 313      Listed on US SARA Section 313

**Methylene chloride (75-09-2)**

Section 302 (EHS) TPQ

Section 304 EHS RQ

CERCLA RQ      1000 lb

Section 313      Listed on US SARA Section 313

**15.2. International regulations**

No additional information available.

**15.3. US State regulations****California Proposition 65****WARNING!** This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

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<b>Acetaldehyde (75-07-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	90 (inhalation) µg/day

<b>Vinyl acetate (108-05-4)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

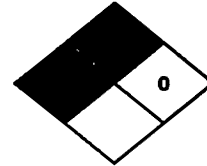
<b>Acetaldehyde (75-07-0)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

<b>1,2-Propylene glycol (57-55-6)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

**SECTION 16: Other information**

Indication of changes : Revision 1.0: New SDS Created.  
Revision date : 04/14/2015  
Other information : Author: BCS.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  
NFPA fire hazard : 1 - Must be preheated before ignition can occur.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

**HMIS III Rating**

Health : 1\*  
Flammability : 1  
Physical : 0  
Personal Protection :

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Applied Products from its suppliers, and because Applied Products has no control over the conditions of handling and use, Applied Products makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information and product are supplied solely for your information and discretionary use, Applied Products assumes no responsibility for reliance or use thereon. It is the responsibility of the user of the product to comply with all applicable federal, state and local laws and regulations.

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## 803-1 Satin Sealer

### Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
 Revision date: 07/01/2015 Supersedes: 01/02/2013 Version: 1.0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier**  
 Product name : 803-1 Satin Sealer  
 Product form : Mixture  
 Other means of identification : Mineral spirits based sealer
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
- 1.3. Details of the supplier of the safety data sheet**  
 Applied Products, Inc.  
 6035 Baker Road  
 Minnetonka, MN 55345  
 Phone: 800-365-2480  
 Fax: 800-324-8248
- 1.4. Emergency telephone number**  
 Emergency number : CHEMTREC: (800) 424-9300

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### GHS-US classification

Flam. Liq. 3 H226  
 Skin Sens. 1 H317  
 Muta. 1B H340  
 Carc. 1B H350  
 STOT RE 1 H372  
 Asp. Tox. 1 H304

##### 2.2. Label elements

###### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

**Danger**

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapour  
 H304 - May be fatal if swallowed and enters airways  
 H317 - May cause an allergic skin reaction  
 H340 - May cause genetic defects  
 H350 - May cause cancer  
 H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
 P202 - Do not handle until all safety precautions have been read and understood  
 P210 - Keep away from sparks, open flames, heat. - No smoking  
 P233 - Keep container tightly closed  
 P240 - Ground/bond container and receiving equipment  
 P241 - Use explosion-proof ventilating, lighting, electrical equipment  
 P242 - Use only non-sparking tools  
 P243 - Take precautionary measures against static discharge  
 P260 - Do not breathe vapours, mist  
 P264 - Wash hands, forearms and face thoroughly after handling  
 P270 - Do not eat, drink or smoke when using this product  
 P272 - Contaminated work clothing must not be allowed out of the workplace  
 P280 - Wear eye protection, protective clothing, protective gloves  
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor  
 P302+P352 - If on skin: Wash with plenty of soap and water  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

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Rinse skin with water/shower  
 P308+P313 - If exposed or concerned: Get medical advice/attention  
 P314 - Get medical advice/attention if you feel unwell  
 P321 - Specific treatment (see first aid instructions on this label)  
 P331 - Do NOT induce vomiting  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
 P362+P364 - Take off contaminated clothing and wash it before reuse  
 P370+P378 - In case of fire: Use carbon dioxide (CO<sub>2</sub>), foam, dry extinguishing powder to extinguish  
 P403+P235 - Store in a well-ventilated place. Keep cool  
 P405 - Store locked up  
 P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

**2.3. Other hazards**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

No data available

**SECTION 3: Composition/information on ingredients****3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product Identifier	%
Stoddard solvent	(CAS No) 8052-41-3	30 - 60
Solvent naphtha, petroleum, medium aliphatic	(CAS No) 64742-88-7	10 - 30
Solvent naphtha, petroleum, light aromatic	(CAS No) 64742-95-6	1 - 5
Phenol, nonyl-, phosphite (3:1)	(CAS No) 26523-78-4	0.1 - 1

**SECTION 4: First aid measures****4.1. Description of first aid measures**

- First-aid measures general** : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation** : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.
- First-aid measures after skin contact** : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
- First-aid measures after eye contact** : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.
- First-aid measures after ingestion** : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

- Symptoms/injuries** : May be fatal if swallowed and enters airways. May cause an allergic skin reaction. May cause genetic defects. May cause cancer. Causes damage to organs through prolonged or repeated exposure.
- Symptoms/injuries after inhalation** : May cause respiratory irritation.
- Symptoms/injuries after skin contact** : May cause an allergic skin reaction.
- Symptoms/injuries after eye contact** : Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion** : May be fatal if swallowed and enters airways.
- Chronic symptoms** : May cause genetic defects. May cause cancer. Causes damage to organs through prolonged or repeated exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available.

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**SECTION 5: Firefighting measures**

- 5.1. Extinguishing media**  
Suitable extinguishing media : Carbon dioxide. Dry chemical. Foam.
- 5.2. Special hazards arising from the substance or mixture**  
Fire hazard : Flammable liquid and vapour.  
Explosion hazard : Heating may cause an explosion.  
Reactivity : No dangerous reactions known under normal conditions of use.
- 5.3. Advice for firefighters**  
Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.  
Other information : Combustion of dry film may produce toxic gasses such as oxides of carbon.

**SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures**  
General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).
- 6.1.1. For non-emergency personnel**  
Protective equipment : Wear Protective equipment as described in Section 8.  
Emergency procedures : Evacuate unnecessary personnel.
- 6.1.2. For emergency responders**  
Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.
- 6.2. Environmental precautions**  
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.
- 6.3. Methods and material for containment and cleaning up**  
For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Eliminate ignition sources. Product may create slip hazard. Take up liquid spill into absorbent material. This material and its container must be disposed of in a safe way, and as per local legislation.
- 6.4. Reference to other sections**  
See Sections 8 and 13.

**SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling**  
Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not breathe vapours, mist. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- 7.2. Conditions for safe storage, including any incompatibilities**  
Technical measures : Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition.  
Storage conditions : Store in a well-ventilated place. Keep the container tightly closed. Avoid temperature extremes. Avoid freezing.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

Stoddard solvent (8052-41-3)

ACGIH TWA (ppm)

100 ppm

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<b>Stoddard solvent (8052-41-3)</b>	
Remark (ACGIH)	CNS impairment; Eye, skin, and kidney damage; nausea
OSHA PEL (TWA) (mg/m <sup>3</sup> )	2900 mg/m <sup>3</sup>
OSHA PEL (TWA) (ppm)	500 ppm
<b>Phenol, nonyl-, phosphite (3:1) (26523-78-4)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Solvent naphtha, petroleum, medium aliphatic (64742-88-7)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

**8.2. Exposure controls**

## Appropriate engineering controls

: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

## Personal protective equipment

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



## Hand protection

: Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

## Eye protection

: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

## Skin and body protection

: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

## Respiratory protection

: Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Color	: Clear, amber.
Odor	: Mild solvent odor.
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 157 - 199 °C (315 - 390 °F)
Flash point	: 41 °C (105 °F) SetaFlash Closed Cup
Auto-ignition temperature	: 254 °C (490 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available

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Vapour pressure	: 2 mm Hg @ 20 °C (68 °F)
Relative vapour density at 20 °C	: 4.9 (Air = 1)
Relative density	: 0.85 - 0.88 @ 25 °C (77 °F) (Water = 1)
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 - 6 vol %

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No dangerous reactions known under normal conditions of use.

**10.2. Chemical stability**

Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

Avoid contact with : Incompatible materials.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Hydrocarbons.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity : Not classified

<b>Phenol, nonyl-, phosphite (3:1) (26523-78-4)</b>	
LD50 oral rat	10000 mg/kg
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (ppm)	3400 ppm/4h
<b>Solvent naphtha, petroleum, medium aliphatic (64742-88-7)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (mg/l)	> 5.28 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.
Chronic symptoms	: May cause genetic defects. May cause cancer. Causes damage to organs through prolonged or repeated exposure.

**SECTION 12: Ecological information**

**12.1. Toxicity**  
Ecology - general : No information available.

**12.2. Persistence and degradability**

<b>803-1 Satin Sealer</b>	
Persistence and degradability	Readily biodegradable.

**12.3. Bioaccumulative potential**

<b>803-1 Satin Sealer</b>	
Bioaccumulative potential	No information available.

**12.4. Mobility in soil**

<b>803-1 Satin Sealer</b>	
Ecology - soil	No information available.

**12.5. Other adverse effects**

Other adverse effects : No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Waste treatment methods : Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

**SECTION 14: Transport information****In accordance with DOT**

Transport document description : UN1866 Resin solution (Contains: Polyurethane resin), 3, III

UN-No.(DOT) : 1866

DOT NA no. : UN1866

Proper Shipping Name (DOT) : Resin solution  
Contains: Polyurethane resin

Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

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**Additional Information**

Other information : No supplementary information available.

**Transport by sea**

No additional information available

**Air transport**

No additional information available

**SECTION 15: Regulatory information****15.1. US Federal regulations****803-1 Satin Sealer**

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt

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

No additional information available.

**15.3. US State regulations****California Proposition 65**

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

<b>Naphthalene (91-20-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	5.8 µg/day
<b>Ethylbenzene (100-41-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	54 (inhalation) µg/day 41 (oral) µg/day
<b>Cumene (98-82-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	Not available
<b>Benzene (71-43-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL) / Maximum Allowable Dose Levels (MADL)
Yes	Yes	No	Yes	6.4 (oral) µg/day 13 (inhalation) µg/day / 24 (oral) µg/day 49 (inhalation) µg/day
<b>Stoddard solvent (8052-41-3)</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List				

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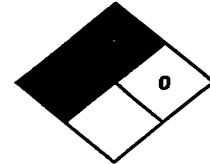
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<b>Solvent naphtha, petroleum, medium aliphatic (64742-88-7)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
<b>Naphthalene (91-20-3)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Ethylbenzene (100-41-4)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Cumene (98-82-8)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Benzene (71-43-2)</b>
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) - Environmental Hazard List

**SECTION 16: Other information**

Indication of changes	: Revision 1.0: New SDS Created.
Revision date	: 07/01/2015
Other information	: Author: BCS.
NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
<b>HMIS III Rating</b>	
Health	: 2*
Flammability	: 2
Physical	: 0
Personal Protection	:



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

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