

SAFETY DATA SHEET

SURPRO 100LV MIXED PARTS A AND B	SDS Number: SP-695	Revision Date: 07/06/2020
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1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: SURPRO 100LV – Mixed Parts A and B
Product Code: SP-695
Product Use: Solventborne Urethane Acrylic Coating
Synonyms: Solventborne Polyol/ Polyisocyanate Coating
Chemical Formula: Solventborne Polyol/ Polyisocyanate Mixture
Restrictions: Institutional, Commercial and Retail
 Concrete and Masonry Use Only



Manufacturer: Surtec, Inc.
 1880 N. MacArthur Dr
 Tracy, CA 95376
 209.820.3700
 Toll Free 800.877.6330

Emergency contact: Chemtrec 800.424.9300
 CCN No. 21541

2. HAZARD IDENTIFICATION:

GHS CLASSIFICATION:

<u>HEALTH</u>	<u>ENVIRONMENTAL</u>	<u>PHYSICAL</u>
<i>Skin Irritation: Category 2</i> <i>Eye Irritation: Category 2A</i> <i>Respiratory Sensitization: Category 1</i> <i>Skin Sensitization: Category 1</i> <i>Specific target organ toxicity, single exposure: Category 3 (Respiratory System, Central Nervous System)</i> <i>Specific target organ toxicity, repeated exposure: Category 2 (Lungs)</i> <i>Carcinogenicity: Category 2</i>	<i>Acute Toxicity: None Known</i> <i>Chronic Toxicity: None Known</i>	<i>Flammable Liquid: Category 3</i>
<u>GHS Pictogram</u> 	<u>Signal Word:</u> Danger	
<u>Hazard Statements</u> Flammable Liquid and Vapor Harmful if inhaled May cause an allergic skin reaction May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause respiratory irritation May cause drowsiness or dizziness. May cause damage to organs (Lungs) through long or repeated exposure if inhaled. Suspected of causing cancer		
<u>Precautionary Statements</u> Obtain special instructions before use. Keep away from heat/sparks/open flames /hot surfaces. No smoking. Take precautionary measures against static discharge. Wear respiratory protection/protective gloves/protective clothing/eye protection/face protection.		

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Do not breathe mists, vapors or spray.

IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. If irritation occurs and persists, get medical attention.

IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Wash contaminated clothing before reuse. If irritation occurs and persists, get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Severe asthmatic reactions can occur in sensitized individuals. Get medical attention immediately. Administer oxygen or artificial respiration as necessary. Asthmatic symptoms may have a delayed onset.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison center.

Keep container tightly closed. Store in a well-ventilated place.
Dispose of contents/container in accordance with local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT	CAS NO.	PERCENT	HAZARDOUS
PARACHLOROBENZOTRIFLUORIDE	98-56-6	50 - 60%	YES
HEXYLENE GLYCOL	107-41-5	1 - 6%	YES
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	28182-81-2	12 - 24%	YES
N-BUTYL ACETATE	123-86-4	1 - 4%	YES
HEXAMETHYLENE-1-6-DIISOCYANATE	822-06-0	<0.1 - 0.5%	YES
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	0.2 – 2.0%*	YES
*INCLUDES SOLVENTS LISTED BELOW WITH APPROXIMATE PERCENT RANGE IN PRODUCT			
1,2,4-TRIMETHYLBENZENE	95-63-6	0.2 - 2.0%	YES
1,3,5-TRIMETHYLBENZENE	108-67-8	<0.1 - 0.5%	NO
MIXED XYLENES	1330-20-7	<0.1 - 0.5%	YES
Exact Percentages are being withheld as trade secret information.			

4. FIRST-AID MEASURES:

Eye Contact: Rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. If irritation occurs and persists, get medical attention.

Skin Contact: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Wash contaminated clothing before reuse. If irritation occurs and persists, get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Severe asthmatic reactions can occur in sensitized individuals. Get medical attention immediately. Administer oxygen or artificial respiration as necessary. Asthmatic symptoms may have a delayed onset.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a physician or poison center.

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5. FIRE-FIGHTING MEASURES:

Unusual Fire Explosion Hazards: In poorly ventilated areas, vapors may accumulate and travel to locations distant to the work area. Be aware of any flame or spark sources which could ignite vapors near and in range of the work area.

Fire Extinguishing media: Use dry chemical, carbon dioxide or alcohol-resistant foam.

Hazards during fire-fighting:

Containers may rupture when exposed to extreme heat.

Protective equipment for fire-fighting:

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Use recommended personal protective clothing and equipment, including eye protection, chemically resistant gloves and vapor respirator. To prevent slipping, do not walk through spilled material.

Environmental precautions:

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off of work area, and material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.

Cleanup:

General: In poorly ventilated areas, vapors may accumulate and travel to locations distant to the work area. Be aware of any flame or spark sources which could ignite vapors near and in range of the work area. Eliminate all ignition sources in the immediate area. Use clean non-sparking tools for spill cleanup.

- For small amounts of released material: Absorb or cover with inert absorbent, sand or dry earth. Transfer to a metal or HDPE container for disposal. - For large amounts of released material: Dike around spilled material with absorbent to contain. Absorb or cover with inert absorbent, sand or dry earth. Transfer to a metal container for disposal.

7. HANDLING and STORAGE:

Handling:

General advice - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Do not generate and breathe mists, vapors or fine spray. Do not mix with other chemicals. Product cannot be contained or stored once mixed. Do not seal mixed material with a lid or cap. This is a commercial product, not intended for home use. Keep out of reach of children.

Storage:

General advice – Once Parts A and B are mixed, product has a limited useable work time, i.e., pot life = 2 hours. Product cannot be contained or stored once mixed. Store components in a cool, well ventilated area. Store in a tightly closed container as exposure to moisture may cause Part B component of product to gel. Protect against physical damage.

Shelf Life:

12 months minimum for individual components.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

Advice on system design:

Provide local exhaust ventilation to control vapors for published exposure limits.

Personal protective equipment (HMIS rating 'B' or 'I'):

Eye protection: Wear safety glasses with side shields or safety goggles to prevent exposure or full-face shield if splash hazard exists.

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Skin protection: Chemical-resistant gloves. Wear appropriate protective clothing to prevent possible skin contact.

Respiratory protection: Product is not intended for airless or other paint spray application without the use of respiratory protection and protective clothing. Do not breathe mists, vapors or spray. Use proper NIOSH-OSHA respirator fitted with proper cartridges if mists are generated, ventilation is inadequate or exposure limits are exceeded.

General safety and hygiene measures: Exercise stringent hygiene practices to minimize exposure. If contact occurs, wash any body part with soap and water immediately. Wash hands after use, and before eating, drinking or smoking.

Other protective measures:

Nearby running water on the job site is necessary, should an accident occur.

Exposure Guidelines:

ACGIH TLV: 1.0 mg/m³ (28182-81-2), 150 ppm (123-86-4), 25 ppm (95-63-6), 100 ppm (1330-20-7),
0.005 ppm (822-06-0), 20 ppm (100-41-4)

STEL: 1.0 mg/m³ (28182-81-2), 200 ppm (123-86-4), 150 ppm (1330-20-7), 125 ppm (100-41-4)

OSHA PEL: 150 ppm (123-86-4), 100 ppm (1330-20-7), 100 ppm (100-41-4)

9. PHYSICAL and CHEMICAL PROPERTIES:

Appearance:	Clear, Pale Yellow Liquid	Flash Point:	115° F C.O.C.
Odor:	Solvent	Upper/Lower Flammability Limits:	No information available
pH value:	No information available	Relative Density (water):	1.21
Specific gravity:	1.21 (H ₂ O = 1)	Auto-Ignition Temperature:	No information available
Solidification temperature:	No information available	Decomposition temperature:	No information available
Freezing/Melting point:	N/A	Partition Coefficient	No information available
Boiling point:	No information available	Odor Threshold	No information available
Vapor density:	No information available	Viscosity:	~15 cps.
Vapor pressure:	No information available	Partition Coefficient	No information available
Evaporation Rate:	No information available	Solubility in water:	None
Regulatory VOC:	<100 g/l		

10. STABILITY and REACTIVITY:

Conditions to avoid: Heat, flame, sparks.

Substances to avoid: Acids, alkalies, amines. Contact with water may cause polymerization.

Hazardous reactions: Product is stable under normal conditions of use and storage.

Decomposition or By-products: Contact with water or moisture may cause polymerization. Once mixed, product will generate carbon dioxide gas as a by-product. In fire conditions: carbon monoxide (CO), carbon dioxide (CO₂), nitric oxides (NO_x), hydrogen cyanide, isocyanate, isocyanic acid, chlorine, fluorine.

11. TOXICOLOGY INFORMATION:

Acute Toxicity (Symptoms):

Oral: Ingestion may cause pain, nausea, vomiting, and diarrhea.

Eye irritation: Serious Irritation, redness, tearing and swelling. May cause temporary corneal injury.

Skin irritation: Irritation, redness, itching and swelling. Persons with allergic reaction may also experience rash.

Inhalation: Inhalation of vapors may cause irritation to the respiratory tract with runny nose, sore throat, coughing and difficulty breathing.

Sensitization: Skin: Yes. Respiratory: Yes

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Target Organ Effects - Single Exposure: (Respiratory System): May cause respiratory irritation. Sensitized individuals or individuals with pre-existing conditions may experience asthma-like symptoms from inhalation of vapors. Overexposure to vapors may cause bronchitis, bronchial spasm or pulmonary edema. Symptoms may be delayed onset; **(Central Nervous System):** May cause drowsiness or dizziness.

Chronic Toxicity:

Target Organ Effects – Repeated Exposure: (Respiratory System): Repeated overexposures may cause sensitization in certain individuals to isocyanates. This sensitization may cause asthma or asthma-like symptoms even with low levels of later exposure to isocyanate. Symptoms include chest tightness, wheezing, cough, shortness of breath or asthmatic attack. Symptoms may be delayed onset. Chronic overexposure to vapors may cause permanent lung damage.

Carcinogenicity - No carcinogenic substances as defined by ACGIH, IARC and/or OSHA. NTP classifies Parachloro-benzotrifluoride as a carcinogen.

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Not readily biodegradable.

Environmental toxicity:

Acute and prolonged toxicity to fish: Not available

Toxicity to microorganisms: Not available

Other ecotoxicological information: Not available

13. DISPOSAL CONSIDERATIONS:

Waste disposal of substance: Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

Container disposal: Dispose of in a licensed facility in accordance with local regulations.

RCRA:

Unspecified.

14. TRANSPORTATION INFORMATION:

Note: Once the components are mixed this product cannot be packaged and/or transported. Transportation information for individual components is provided below.

Part A

DOT:

UN/ID No: 1263

Proper Shipping Name: PAINT (FLASH POINT > 73°F)

Hazard Class: 3

Packing Group: III

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Part B

DOT:

UN/NA ID No: UN1866

Proper Shipping Name: RESIN SOLUTION (CONTAINS N-BUTYL ACETATE, PETROLEUM SOLVENT)

Hazard Class: 3

Packing Group: III

15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US:

All components are listed or exempt.

SARA hazard category (EPCRA 311/312):

Fire Hazard

Acute health hazard

Chronic health hazard

SARA TITLE III, SECTION 313:

CAS Number: _____ Chemical Name:

95-63-6 1,2,4-Trimethylbenzene

1330-20-7 Mixed Xylenes

State Regulations:

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CAS Number: _____ Chemical Name:

98-56-6 Parachlorobenzotrifluoride

71-43-2 Benzene

16. OTHER INFORMATION:

NFPA Rating:

Health: 2 Fire: 2 Reactivity: 1 Special Hazard: none

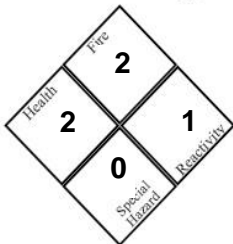
HMIS III Rating:

Health: 2 Flammability: 2 Physical Hazard: 1

Personal Protection: B or I (safety glasses with side shields, chemical-resistant gloves and vapor respirator (if necessary))

Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.

NFPA Rating



HMIS Rating

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

Prepared by: Surtec, Inc. 07/06/2020 **Revision No.:** 02

Local Contact Information:

Surtec, Inc.

209-820 3700; Toll Free 800-877-6330 (8 a.m. to 5 p.m., M-F, PST)

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Notice: The information provided is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

Warranty: This is a proprietary SURTEC product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact SURTEC with any questions regarding this policy.