

SAFETY DATA SHEET

SURPRO 688 - MIXED PARTS A & B	SDS Number: SP-688	Revision Date: 01/07/2021
---	---------------------------	----------------------------------

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: SURPRO 688 – MIXED
PARTS A AND B
Product Code: SP-688
Product Use: Waterborne Concrete Sealer
Synonyms: Polyol/Isocyanate Based Concrete Sealer
Chemical Formula: Mixture of substances listed below
with nonhazardous additions
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>
<p> <i>Acute Toxicity (Inhalation): Category 5</i> <i>Respiratory Sensitization: Category 1</i> <i>Skin Sensitization: Category 1</i> <i>Specific target organ toxicity, single exposure: Category 3 (Respiratory System)</i> <i>Specific target organ toxicity, repeated exposure: Category 2 (Lungs)</i> </p>	<p> <i>Acute Toxicity: None Known</i> <i>Chronic Toxicity: None Known</i> </p>	<p>None</p>
<p><u>GHS Pictogram</u></p> 	<p><u>Signal Word:</u> Danger</p>	
<p><u>Hazard Statements</u></p> <p>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 damage to organs (Lungs) through long or repeated exposure if inhaled.</p>		
<p><u>Precautionary Statements</u></p> <p>Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Do not generate or breathe mists, vapors or spray.</p> <p>IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention. IF ON SKIN: Wash with soap and water. If irritation occurs and persists, get medical attention.</p>		

SAFETY DATA SHEET

SURPRO 688 - MIXED PARTS A & B	SDS Number: SP-688	Revision Date: 01/07/2021
---	---------------------------	----------------------------------

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 containers tightly closed prior to mixing. After mixing do not seal container and attempt to store. 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
TRIETHANOLAMINE	102-71-6	0.5 - 4%	NO
PROPYLENE GLYCOL N-BUTYL ETHER	5131-66-8	0.1 – 1%	YES
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	28182-81-2	15 – 30%	YES
HYDROPHILIC ALIPHATIC POLYISOCYANATE BASED OF HEXAMETHYLENE DIISOCYANATE	6666723-27-9	3 -7%	YES
HEXAMETHYLENE-1-6-DIISOCYANATE	822-06-0	0.1 – 0.3%	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: Wash with soap and water. 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.

5. FIRE-FIGHTING MEASURES:

Fire Extinguishing media: Use water spray, dry chemical, carbon dioxide or regular foam.

Hazards during fire-fighting:

Containers may rupture when exposed to extreme heat. Avoid contact with product. Isocyanate and diisocyanate vapors, and other toxic gases may be generated by thermal decomposition.

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.

SAFETY DATA SHEET

SURPRO 688 - MIXED PARTS A & B	SDS Number: SP-688	Revision Date: 01/07/2021
---	---------------------------	----------------------------------

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:

- *For small amounts of released material:* Mop or vacuum up then transfer to suitable container for disposal. - *For large amounts of released material:* Dike around spilled material with absorbent to contain. Spilled material may be mopped or vacuumed up, then transferred to plastic containers 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. After mixing, product has a limited useable work time (pot-life). Do not seal or attempt to store materials once mixed. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

Storage:

General advice - Protect against physical damage. Store unmixed materials in a cool, well ventilated area. Store components in tightly closed containers. Do not seal or attempt to store materials once mixed.

Shelf Life:

12 months minimum

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.

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. 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: 0.005 ppm (28182-81-2 and 822-06-0)

STEL: Not Established

OSHA PEL: Not Established

SAFETY DATA SHEET

SURPRO 688 - MIXED PARTS A & B	SDS Number: SP-688	Revision Date: 01/07/2021
---	---------------------------	----------------------------------

9. PHYSICAL and CHEMICAL PROPERTIES:

Appearance (mixed):	White Liquid	Flash Point:	None
Odor:	Mild sweet	Upper/Lower Flammability Limits:	No information available
pH value:	7.5 ± 0.2	Relative Density (water):	1.07
Specific gravity:	1.07 (H ₂ O = 1)	Auto-Ignition Temperature:	No information available
Solidification temperature:	No information available	Decomposition temperature:	No information available
Freezing/Melting point:	32 °F (0 °C)	Partition Coefficient	No information available
Boiling point:	212°F (100 °C)	Odor Threshold	No information available
Vapor density:	No information available	Viscosity:	~40 cps.
Vapor pressure:	No information available	Partition Coefficient	No information available
Evaporation Rate:	No information available	Solubility in water:	Dispersible
Regulatory VOC:	< 50 g/l		

10. STABILITY and REACTIVITY:

Conditions to avoid: Excessive heat or flame.

Substances to avoid: Strong oxidizing agents, acids and bases.

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

Decomposition or By-products: Once mixed, this product will polymerize with CO₂ gas as a by-product. In fire conditions: carbon monoxide (CO), carbon dioxide (CO₂), nitric oxides (NO_x), hydrogen cyanide, isocyanate, isocyanic acid.

11. TOXICOLOGY INFORMATION:

Acute Toxicity (Symptoms):

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

Eye irritation: 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

Target Organ Effects - Single Exposure: (Respiratory System): 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.

Numerical Measures of Toxicity:

Estimated Acute Toxicity Estimates (ATE) based on available information and in the context of actual product use.

ATEmix (inhalation): > 20.0 mg/l

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, NTP and/or OSHA.

SAFETY DATA SHEET

**SURPRO 688 - MIXED
PARTS A & B**

SDS Number: SP-688

Revision Date: 01/07/2021

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Not expected to be 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:

Part A (Product Code: SP-680)

DOT:

Proper Shipping Name: PAINT (NON-HAZARDOUS)

Part B (Product Code: SP-681)

DOT:

Proper Shipping Name: PAINT (NON-HAZARDOUS)

15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US:

All components are listed or exempt.

SARA hazard category (EPCRA 311/312):

Acute health hazard

Chronic health hazard

SARA TITLE III, SECTION 313:

CAS Number: _____ Chemical Name:

None

State Regulations:

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

CAS Number: _____ Chemical Name:

None

SAFETY DATA SHEET

SURPRO 688 - MIXED PARTS A & B	SDS Number: SP-688	Revision Date: 01/07/2021
---	---------------------------	----------------------------------

16. OTHER INFORMATION:

NFPA Rating:

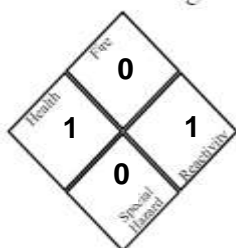
Health: 1 Fire: 0 Reactivity: 1 Special Hazard: none

HMIS III Rating:

Health: 1 Flammability: 0 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	1
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

Prepared by: Surtec, Inc. 01/07/2021 **Revision No.:** 01

Local Contact Information:

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

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.