

Innotech Surpro SB - Mixed A & B

SDS Number:

Revision Date: 8/11/19

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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Phone: Chemtrec:1-800-424-9300

Product Identifier: Innotech Surpro SB - Mixed A & B
Synonyms: Solvent based polyol / polyisocyanate
Revision Date: 8/11/19
Version: 1.0
CAS Number: Mixture
Chemical Family: Solvent Based Urathane Acrylic Coating
Product Use: Concrete coating

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Physical, Flammable Liquids, 2
- Health, Acute toxicity, 3 Inhalation
- Health, Respiratory or skin sensitization, 1 Skin
- Health, Serious Eye Damage/Eye Irritation, 2 A
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Skin corrosion/irritation, 2
- Health, Respiratory or skin sensitization, 1 Respiratory
- Health, Specific target organ toxicity - Repeated exposure, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H225 - Highly flammable liquid and vapor
- H331 - Toxic if inhaled
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation
- H315 - Causes skin irritation
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H373 - May cause damage to organs through prolonged or repeated exposure

GHS Precautionary Statements:

- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P233 - Keep container tightly closed.
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 - Wash _ thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P281 - Use personal protective equipment as required.
- P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P331 - Do NOT induce vomiting.

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- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
- P370+378 - In case of fire: Use sand or alcohol resistant foam for extinction.
- P403+233 - Store in a well ventilated place. Keep container tightly closed.
- P403+235 - Store in a well ventilated place. Keep cool.
- P501 - Dispose of contents/container in accordance with regulation.
- P243 - Take precautionary measures against static discharge.
- P284 - Wear respiratory protection.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Inhalation:

Primary Entry Routes: Inhalation, ingestion, skin contact, eye contact

Target Organs or Systems: Contains material which may cause damage to upper respiratory tract, mucous membranes, eyes, nose, sinus, etc. if comes in contact.

Signs and Symptoms of Exposure (Acute Effects):

Inhalation: Cough, sore throat

Ingestion: Burning sensation

Skin Contact: Dry skin, redness and irritation

Eye Contact: Redness, burning sensation and irritation

Signs and Symptoms of Exposure (Chronic Effects): Repeated or prolonged contact with skin may cause dermatitis. Repeated or prolonged contact may cause skin sensitization.

Aggravation of Pre-Existing Conditions: Pre-existing conditions involving any of the above mentioned target organs or systems may be aggravated by this product.

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COMPOSITION/INFORMATION OF INGREDIENTS

4

FIRST AID MEASURES

Skin Contact:

Eye Contact:

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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FIRE FIGHTING MEASURES

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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 Precautions:

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., potlife = 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/PERSONAL PROTECTION

Engineering Controls:

Advice on system design:

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

Personal Protective Equipment:

Personal protective equipment (HMIS rating '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.

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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

Physical State: Solid

Appearance: Clear Liquid Odor: Solvent pH value: No information available Specific gravity: 1.03 (H₂O = 1) Solidification temperature: No information available Freezing/Melting point: No information available Boiling point: No information available Vapor density: No information available Vapor pressure: No information available Evaporation Rate: No information available Flash Point: 82° F C.O.C. Upper/Lower Flammability: Relative Density (water): 1.03 Auto-Ignition Temperature: No information available Decomposition temperature: No information available Partition Coefficient: No information available Odor Threshold: No information available Viscosity: ~300 - 500 cps. Partition Coefficient: No information available Solubility in water: None

10 STABILITY AND REACTIVITY

Chemical Stability: Conditions to avoid: Heat, flame, sparks.
 Substances to avoid: Acids, alkalis, 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.

11 TOXICOLOGICAL 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

Aspiration Hazard: May be fatal if swallowed or enters airways.

Numerical Measures of Toxicity:

Calculated Acute Toxicity Estimates (ATE) based on available information.

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ATEmix (inhalation): 23.7 mg/l

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; **(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; **(Liver, Kidney, Central Nervous system):** May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity: No human carcinogenic substances as defined by ACGIH, NTP and/or OSHA. IARC classifies Ethylbenzene (100-41-4) as Group 2B: Possibly carcinogenic to humans. ACGIH classifies Ethylbenzene as a confirmed animal carcinogen with unknown relevance to humans. Product not classifiable as a human 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 TRANSPORT INFORMATION

Note: Once the components are mixed the 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

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Packing Group: III

Part B

DOT:

UN/ID No: 1263

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

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:

| | |
|--------------------|------------------------|
| <u>CAS Number:</u> | <u>Chemical Name:</u> |
| 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

| | |
|--------------------|-----------------------|
| <u>CAS Number:</u> | <u>Chemical Name:</u> |
| 100-41-4 | Ethylbenzene |
| 108-88-3 | Toluene (trace) |
| 71-43-2 | Benzene (trace) |

1330-20-7 Mixed xylenes 0.0 - 0.2

16 OTHER INFORMATION

The information on this SDS is provided in good faith in the interest of product safety and believed to be accurate to the best of our knowledge. However, ChromaScape makes no guarantee and assumes no liability for the data contained. Users should conduct their own research regarding suitability for their purposes. Nothing contained in this SDS should be misconstrued as permission to violate any regulation. End users should follow all local, state, national and international regulations as apply.