IMPERSOL™ EB Single Ply Base Coat

Safety Data Sheet

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Revision Date: NA Date of issue: 10/26/2021 Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: IMPERSOL™ EB Single Ply Base Coat

Product Code: F02455

Intended Use of the Product

Deck Filler

Name, Address, and Telephone of the Responsible Party

Manufacturer

Bitec, Inc.
#2 Industrial Park Drive
Morrilton, AR 72110
T-800-535-8597
F-501-354-3019
www.bi-tec.com

Emergency Telephone Number

Emergency Number: 1-800-535-8597

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Flam. Liq. 3	H226
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1B	H350
STOT SE 3	H336
Asp. Tox. 1	H304

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) : DANGER

Hazard Statements (GHS-US) : Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer.

Precautionary Statements (GHS-US) : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, open flames, sparks. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment . Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust / fume/ gas / mist/ vapors / spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves / eye protection / face protection.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not available

Mixture

Name	Product identifier	%
Petroleum distillates, hydrotreated light	(CAS No) 64742-47-8	15-40
Solvent naphtha, petroleum, light aromatic	(CAS No) 64742-95-6	10 - 30

Name	Product identifier	%
Titanium dioxide	(CAS No) 13463-67-7	.5 - 15
Benzene, 1,2,4-trimethyl-	(CAS No) 95-63-6	3 - 7
Nonane	(CAS No) 111-84-2	1 -5
Ceramic materials and wares, chemicals	(CAS No) 66402-68-4	5 - 10

SECTION 4: FIRST AID MEASURES

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: 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: Remove affected clothing and wash all exposed skin with water for at least 15 minutes. Get medical attention immediately.

First-aid Measures After Eye Contact: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.

First-aid Measures After Ingestion: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Do not use a heavy water stream.

Special Hazards Arising from the Substance or Mixture

Fire Hazard: Product is flammable

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

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. Vapors are heavier than air and may travel long distances along the ground to an ignition source and flash back.

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO_2).

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: handle in accordance with good industrial hygiene and safety practice. Remove ignition sources.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb and/or contain spill with inert material.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Hygiene Measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial

hygiene and safety procedures. Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in dry, well-ventilated area. Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible Materials: No known incompatibles for this product.

Storage Area: Store locked up. Store in a well-ventilated place. Keep cool.

Special Rules on Packaging: Keep only in original container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Petroleum distillates, hydrotreated light (64742-47-8)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

Nonane (111-84-2)	
ACGIH TWA (ppm)	200
Remark (ACGIH)	Threshold Limit Values (TLV Basis) Critical Effects - CNS Impairment
OSHA PEL (TWA) (mg/m³)	1050
OSHA PEL (TWA) (ppm)	200

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

Silica: Crystalline, quartz (14808-60-7)	
ACGIH TWA (mg/m³)	0.025 (respirable fraction)
OSHA PEL (TWA) (mg/m³)	(30)/(%SiO2 + 2) total dust; (10)/(%SiO2 + 2) respirable fraction
OSHA PEL (TWA) (ppm)	(250)/(%SiO2 + 5) respirable fraction

Titanium dioxide (13463-67-7)	
ACGIH TWA (mg/m³)	10
OSHA PEL (TWA) (mg/m³)	15 total dust

Ceramic materials and wares, chemicals (66402-68-4)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

Benzene, 1,2,4-trimethyl- (95-63-6)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

Exposure Controls

Appropriate Engineering Controls: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Personal Protective Equipment: Gloves. Protective goggles. Wear chemically impervious apron over labcoat and full coverage clothing. Insufficient ventilation: wear respiratory protection

Hand Protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier. Change contaminated gloves immediately.

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.
Environmental Exposure Controls: Do not allow the product to be released into the environment.
Consumer Exposure Controls: Do not eat, drink, or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance	:	Liquid
Odor	:	Slight hydrocarbon
Odor threshold	:	Not determined
pH	:	Not available
Melting point / freezing point	:	Not determined
Initial boiling point and boiling range	:	154-178 °C
Flash Point	:	38-39.4 °C
Evaporation rate (Ether = 1)	:	Greater than 1
Flammability (solid, gas)	:	Not applicable
Upper/lower flammability or explosive limits	:	Not applicable
Vapor pressure (Pa)	:	2 mm Hg at 20°C (68°F)
Vapor Density	:	Heavier than air
Specific Gravity	:	1.00
Solubility in Water	:	Negligible
Partition coefficient n-octonal/water (Log Know)	:	Not Measured
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
Viscosity (cSt)	:	No data available
VOC Content	:	400 g/liter

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Flammable liquid and vapour.

Chemical Stability: Stable under normal circumstances.

Possibility of Hazardous Reactions: No data available**.**

Conditions to Avoid: No flames, no sparks. Eliminate all sources of ignition. Heat. Prevent vapor accumulation.

Incompatible Materials: Strong acids. Strong alkalis. Oxidizing agents.

Hazardous Decomposition Products: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Petroleum distillates, hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h

Nonane (111-84-2)	
LC50 inhalation rat (ppm)	3200 ppm/4h

Titanium dioxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg

Methyl alcohol (67-56-1)	
LD50 oral rat	5628 mg/kg
LD50 dermal rabbit	15,800 mg/kg
LC50 inhalation rat (ppm)	64000 ppm/4h

Benzene, 1,2,4-trimethyl- (95-63-6)	
LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : May cause genetic defects.
Carcinogenicity : May cause cancer.

Silica: Crystalline, quartz (14808-60-7)	
IARC group	**1 - Carcinogenic to humans**

Titanium dioxide (13463-67-7)	
IARC group	**2B - Possibly carcinogenic to humans**

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation : May cause irritation and damage to respiratory tissues. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact : May cause an allergic skin reaction.
Symptoms/injuries after eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : May cause gastrointestinal irritation.
Chronic symptoms : May cause cancer. May cause genetic defects.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.

12.2. Persistence and degradability

IMPERSOL™ SI EB Skylight Coating	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Potentially toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international

regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT – UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III

In Accordance with IMDG – UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III

In Accordance with IATA – UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III

In Accordance with TDG – UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III

SECTION 15: REGULATORY INFORMATION

15.1. US Federal regulations

IMPERSOL™ SI EB Skylight Coating	
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	Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard
Cumene (98-82-8)	
Listed on United States SARA Section 313	
CERCLA RQ	**5000 lb**

Benzene, 1,2,4-trimethyl- (95-63-6)
Listed on United States SARA Section 313

Xylenes (o-, m-, p- isomers) (1330-20-7)	
Listed on United States SARA Section 313	
CERCLA RQ	**100 lb**

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65

WARNING: This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Cumene (98-82-8)				
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)**

Cumene (98-82-8)				
Yes	No	No	No	NA

Silica: Crystalline, quartz (14808-60-7)				
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	NA

Nickel oxide (1313-99-1)				
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	NA

Titanium dioxide (13463-67-7)				
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	NA

Nonane (111-84-2)
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

Cumene (98-82-8)
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

Silica: Crystalline, quartz (14808-60-7)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Nickel oxide (1313-99-1)
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

Titanium dioxide (13463-67-7)
U.S. - Massachusetts - Right To Know List

Titanium dioxide (13463-67-7)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Silica, amorphous, precipitated and gel (112926-00-8)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Benzene, 1,2,4-trimethyl- (95-63-6)
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

Xylenes (o-, m-, p- isomers) (1330-20-7)
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

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 10/26/21

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

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